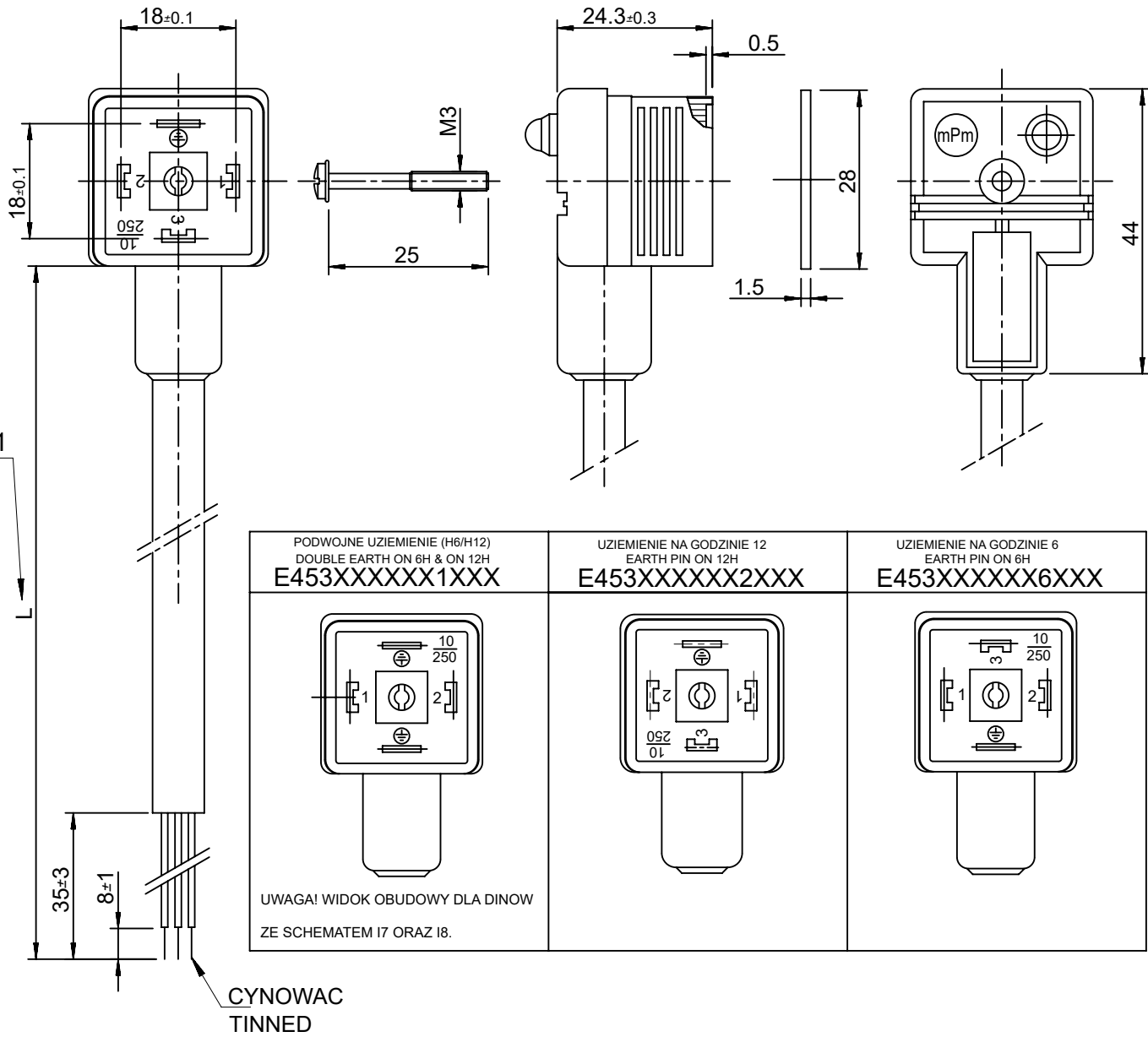




| Table of length tolerances/ Tablica tolerancji dlugosci mm |                                  |                      |
|------------------------------------------------------------|----------------------------------|----------------------|
| Over/Od                                                    | Up to and including/ Do-wlacznie | Tolerance/Tolerancja |
| 100                                                        | 1000                             | ±20                  |
| 1000                                                       | 3000                             | ±30                  |
| 3000                                                       | 5000                             | ±40                  |
| 5000                                                       | 10000                            | ±50                  |
| 10000                                                      | 15000                            | ±100                 |
| 15000                                                      | 20000                            | ±150                 |
| 20000                                                      |                                  | ±L/100               |

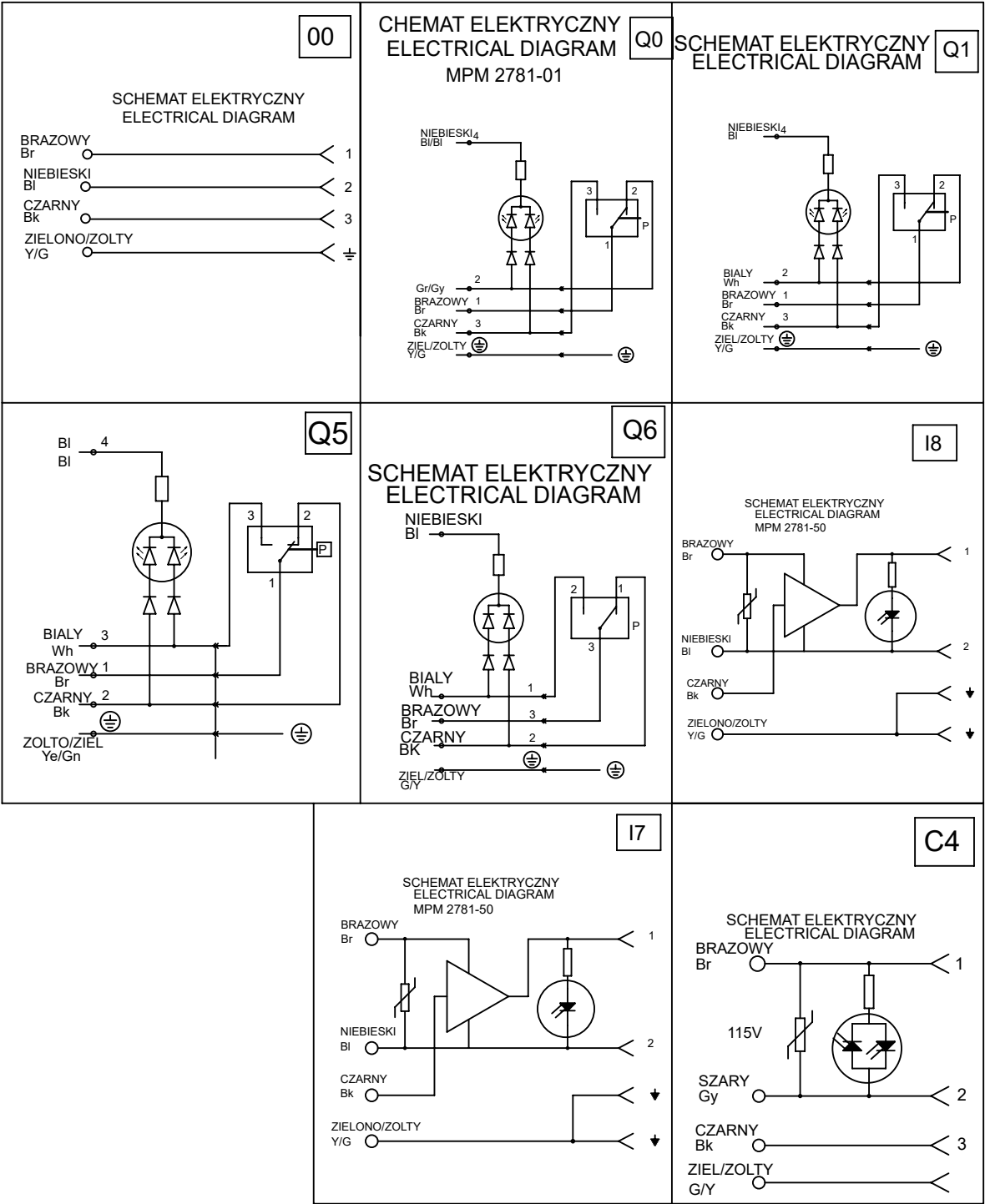
UWAGI:

1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:

1. LENGHT SEE SHEET 2.

SCHEMATY POLACZEN/WIRING CONFIGURATION



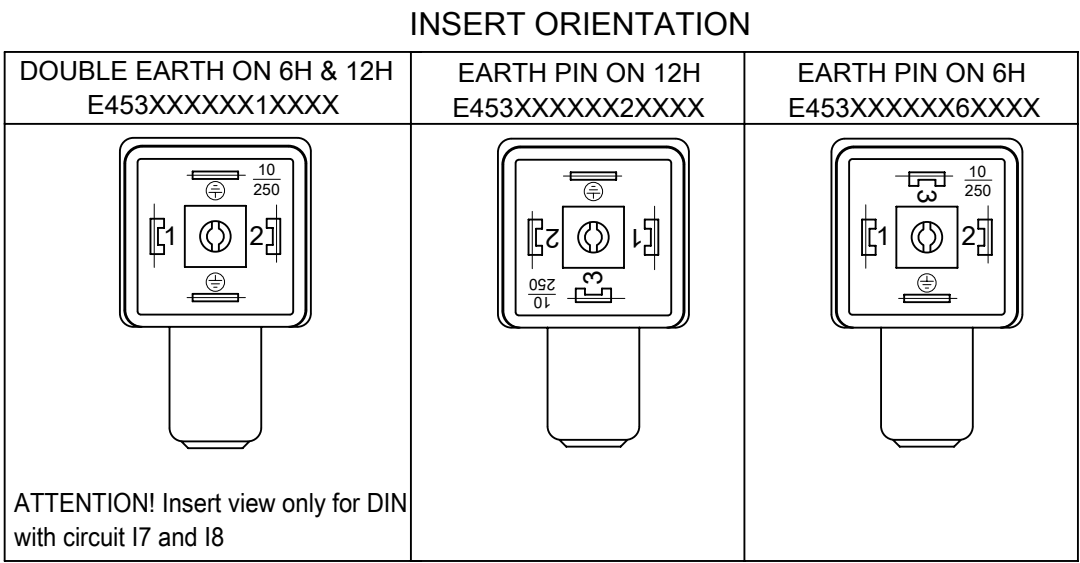
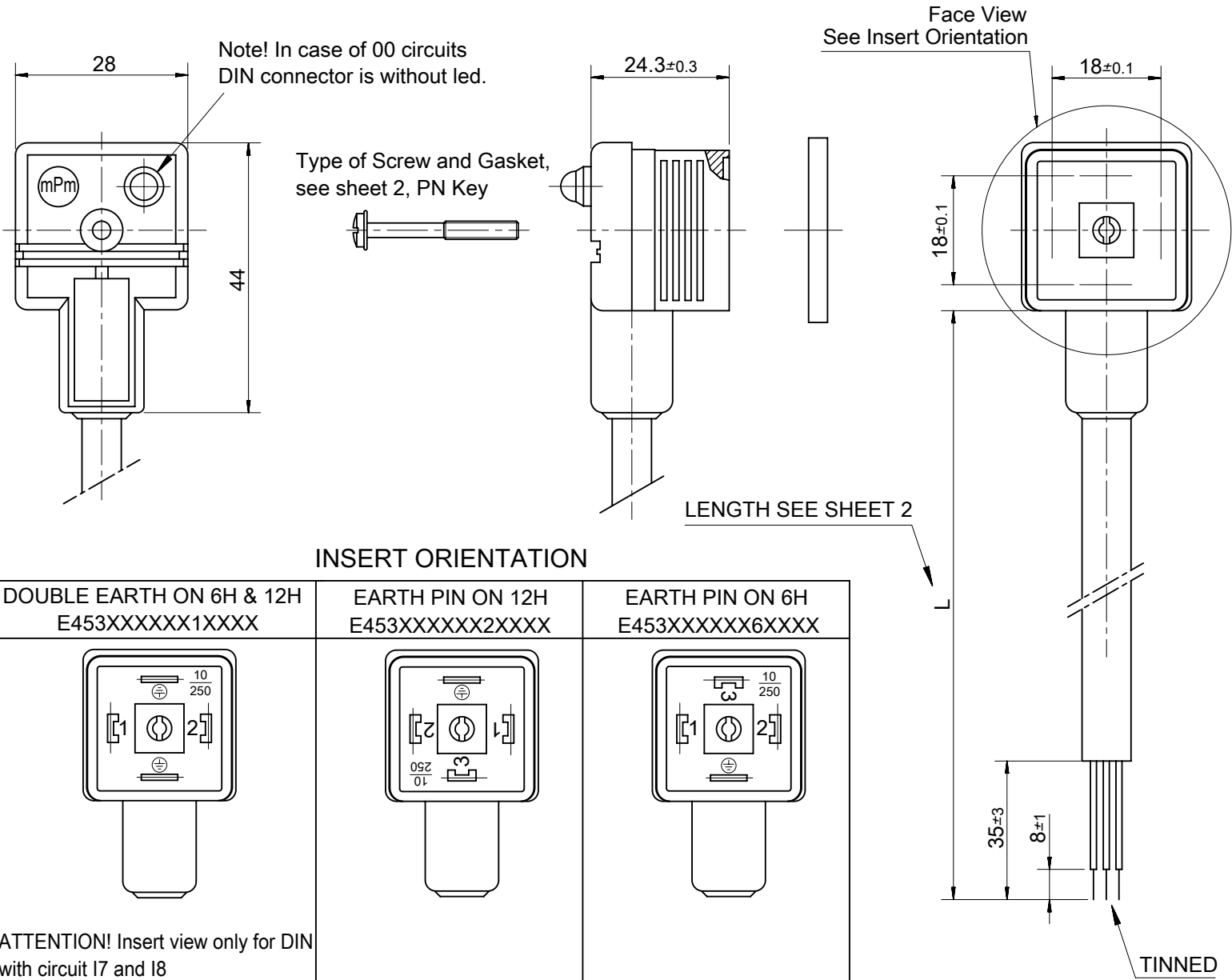


|                                                                        |                           |                                                                                                                                                                                                           |                                                                  |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
|------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------|----------------------|--------------------|---------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------|----------|----------------------|--------------------|--------------|---------|-------|------------------|---------------------------|------------------------|----------------------|---|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---|-----|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---|-----|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 10                                                                     | 9                         | 8                                                                                                                                                                                                         | 7                                                                | 6            | 5                    | 4                  | 3             | 2       | 1     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| TABELA 2 KABLE/TABLE 2 CABLES                                          |                           |                                                                                                                                                                                                           |                                                                  |              |                      |                    |               |         |       | TABELA 2 KABLE/TABLE 2 CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| MOLEX PN                                                               | mPm                       | Code                                                                                                                                                                                                      | PRZEW                                                            | PRZEKROJ     | MATERIAL             | KOLOR/COLOUR       | SREDNICA Ø    | DIN A-B | DIN C | MOLEX PN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | mPm | Code | PRZEW | PRZEKROJ | MATERIAL             | KOLOR/COLOUR       | SREDNICA Ø   | DIN A-B | DIN C |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180080                                                             | I                         | 0                                                                                                                                                                                                         | 3                                                                | 1 mm2        | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -             | -       | -     | 1210180071                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P   | 3    | 3     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 6,5+/-0,2 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180467                                                             | A                         | 2                                                                                                                                                                                                         | 2                                                                | 20 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P   | 3    | 4     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 7+/-0,2 mm   | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | A                         | 2                                                                                                                                                                                                         | 3                                                                | 20 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 5,6+/-0,2 mm  | OK.     | OK.   | 1210180384                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R   | 3    | 3     | 0,75 mm2 | TPR HAL. FREE        | Czarny/Black       | 6,5+/-0,2 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180394                                                             | A                         | 2                                                                                                                                                                                                         | 4                                                                | 20 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 6,2+/-0,2 mm  | OK.     | OK.   | 1210180094                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T   | 3    | 3     | 0,75 mm2 | PUR CSA/UL           | Żółty/Yellow       | -            | -       | -     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | A                         | 2                                                                                                                                                                                                         | 5                                                                | 20 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 7+/-0,2 mm    | OK.     |       | 1210180309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Y   | 3    | 3     | 0,75 mm2 | SIL/0300             | Czerwony/Red       | 6,5+/-0,2 mm | -       | -     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180297                                                             | B                         | 2                                                                                                                                                                                                         | 2                                                                | 20 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180081                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F   | 4    | 3     | 1 mm2    | CNOMO                | Szary/Grey RAL7000 | -            | -       | -     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180126                                                             | B                         | 2                                                                                                                                                                                                         | 3                                                                | 20 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 5,6+/-0,2 mm  | OK.     | OK.   | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | F   | 4    | 4     | 1 mm2    | CNOMO                | Szary/Grey RAL7000 | 7,1+0,2-0 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180387                                                             | B                         | 2                                                                                                                                                                                                         | 4                                                                | 20 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 6,2+/-0,2 mm  | OK.     | OK.   | 1210180042                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I   | 4    | 2     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7,1+0,2-0 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | B                         | 2                                                                                                                                                                                                         | 5                                                                | 20 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 7+/-0,2 mm    | OK.     |       | 1210180079                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I   | 4    | 3     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7,1+0,2-0 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180122                                                             | D                         | 2                                                                                                                                                                                                         | 3                                                                | 0,5 mm2      | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     | 1210180036                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N   | 4    | 2     | 1 mm2    | PVCH05               | Czarny/Black       | 6,5+0,2-0 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | F                         | 2                                                                                                                                                                                                         | 3                                                                | 0,5 mm2      | CNOMO                | Szary/Grey RAL7000 | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N   | 4    | 3     | 1 mm2    | PVCH05               | Czarny/Black       | 6,9+0,2-0 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180047                                                             | I                         | 2                                                                                                                                                                                                         | 2                                                                | 0,5 mm2      | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R   | 4    | 3     | 1 mm2    | TPR HAL. FREE        | Czarny/Black       | -            | -       | -     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | I                         | 2                                                                                                                                                                                                         | 3                                                                | 0,5 mm2      | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180085                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N   | 5    | 3     | 1,5 mm2  | PVCH05               | Czarny/Black       | 8,3+0,2-0 mm | OK.     |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180146                                                             | I                         | 2                                                                                                                                                                                                         | 4                                                                | 0,5 mm2      | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 6,5+/-0,2 mm  | OK.     |       | 1210180313                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I   | 6    | 2     | 0,35 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -            | -       | -     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180177                                                             | I                         | 2                                                                                                                                                                                                         | 5                                                                | 0,5 mm2      | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7+/-0,2 mm    | OK.     |       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A   | 7    | 3     | 20 AWG   | PVC CSA/UL 2661      | Żółty/Yellow       | 5,6+/-0,2 mm | OK.     | OK.   |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180022                                                             | N                         | 2                                                                                                                                                                                                         | 2                                                                | 0,5 mm2      | PVCH03               | Czarny/Black       | 5,1+ 0,2-0 mm | OK.     | OK.   | 1210180149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I   | 9    | 4     | 0,75 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -            | -       | -     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180064                                                             | N                         | 2                                                                                                                                                                                                         | 3                                                                | 0,5 mm2      | PVCH03               | Czarny/Black       | 5,4+ 0,2-0 mm | OK.     | OK.   | TABELA 1 TYPY KABLI/TABLE 1 CABLES TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180153                                                             | N                         | 2                                                                                                                                                                                                         | 4                                                                | 0,5 mm2      | PVCH03               | Czarny/Black       | 5,75+0,2-0 mm | OK.     | OK.   | <table><tr><td>Znakowanie /Code</td><td>Rodzaje kabla /Cable type</td><td>Właściwości / Features</td><td>Przekroje /stranding</td></tr><tr><td>N</td><td>PVC</td><td>Kabel z dobrą rezystancją w wodzie ale słabą w oleju./Application general purpose cable which has good resistance to water, but usually poor oil resistance.</td><td>0.5 mm2 = 15 x 0.20<br/>0.75 mm2 = 21 x 0.20<br/>1 mm2 = 28 x 0.20</td></tr><tr><td>I</td><td>PVC</td><td>Zatwierdzone przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.</td><td>0.5 mm2 = 28 x 0.15<br/>0.75 mm2 = 42 x 0.15<br/>1 mm2 = 32 x 0.20</td></tr><tr><td>P</td><td>PVC</td><td>Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.</td><td>0.5 mm2 = 28 x 0.15<br/>0.75 mm2 = 42 x 0.15<br/>1 mm2 = 32 x 0.20</td></tr><tr><td>A</td><td>PVC</td><td>Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wode słaba na olej./ Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance.</td><td>20 AWG = 32 x 0.15<br/>18 AWG = 52 x 0.15</td></tr><tr><td>B</td><td>PVC</td><td>Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystanja w oleju i chemikaljach./ Approved to CSA-UL 20668, very good resistance to oil and chemicals.</td><td>20 AWG = 32 x 0.15<br/>18 AWG = 52 x 0.15</td></tr></table> |     |      |       |          |                      |                    |              |         |       | Znakowanie /Code | Rodzaje kabla /Cable type | Właściwości / Features | Przekroje /stranding | N | PVC | Kabel z dobrą rezystancją w wodzie ale słabą w oleju./Application general purpose cable which has good resistance to water, but usually poor oil resistance. | 0.5 mm2 = 15 x 0.20<br>0.75 mm2 = 21 x 0.20<br>1 mm2 = 28 x 0.20 | I | PVC | Zatwierdzone przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils. | 0.5 mm2 = 28 x 0.15<br>0.75 mm2 = 42 x 0.15<br>1 mm2 = 32 x 0.20 | P | PVC | Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swell when constantly immersed in water. | 0.5 mm2 = 28 x 0.15<br>0.75 mm2 = 42 x 0.15<br>1 mm2 = 32 x 0.20 | A | PVC | Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wode słaba na olej./ Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance. | 20 AWG = 32 x 0.15<br>18 AWG = 52 x 0.15 | B | PVC | Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystanja w oleju i chemikaljach./ Approved to CSA-UL 20668, very good resistance to oil and chemicals. | 20 AWG = 32 x 0.15<br>18 AWG = 52 x 0.15 |
| Znakowanie /Code                                                       | Rodzaje kabla /Cable type | Właściwości / Features                                                                                                                                                                                    | Przekroje /stranding                                             |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| N                                                                      | PVC                       | Kabel z dobrą rezystancją w wodzie ale słabą w oleju./Application general purpose cable which has good resistance to water, but usually poor oil resistance.                                              | 0.5 mm2 = 15 x 0.20<br>0.75 mm2 = 21 x 0.20<br>1 mm2 = 28 x 0.20 |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| I                                                                      | PVC                       | Zatwierdzone przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.                                                            | 0.5 mm2 = 28 x 0.15<br>0.75 mm2 = 42 x 0.15<br>1 mm2 = 32 x 0.20 |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| P                                                                      | PVC                       | Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.                                                                      | 0.5 mm2 = 28 x 0.15<br>0.75 mm2 = 42 x 0.15<br>1 mm2 = 32 x 0.20 |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| A                                                                      | PVC                       | Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wode słaba na olej./ Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance. | 20 AWG = 32 x 0.15<br>18 AWG = 52 x 0.15                         |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| B                                                                      | PVC                       | Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystanja w oleju i chemikaljach./ Approved to CSA-UL 20668, very good resistance to oil and chemicals.                                                    | 20 AWG = 32 x 0.15<br>18 AWG = 52 x 0.15                         |              |                      |                    |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180046                                                             | P                         | 2                                                                                                                                                                                                         | 2                                                                | 0,5 mm2      | PUR - BLEND          | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | P                         | 2                                                                                                                                                                                                         | 3                                                                | 0,5 mm2      | PUR - BLEND          | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180302                                                             | P                         | 2                                                                                                                                                                                                         | 4                                                                | 0,5 mm2      | PUR - BLEND          | Czarny/Black       | -             | -       | -     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | P                         | 2                                                                                                                                                                                                         | 5                                                                | 0,5 mm2      | PUR - BLEND          | Czarny/Black       | 7+/-0,2 mm    | OK.     | OK.   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180409                                                             | A                         | 3                                                                                                                                                                                                         | 2                                                                | 18 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180129                                                             | A                         | 3                                                                                                                                                                                                         | 3                                                                | 18 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180159                                                             | A                         | 3                                                                                                                                                                                                         | 4                                                                | 18 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 7+/-0,2 mm    | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | A                         | 3                                                                                                                                                                                                         | 5                                                                | 18 AWG       | PVC CSA/UL 2661      | Czarny/Black       | 7,8+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180351                                                             | B                         | 3                                                                                                                                                                                                         | 2                                                                | 18 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180127                                                             | B                         | 3                                                                                                                                                                                                         | 3                                                                | 18 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180127                                                             | B                         | 3                                                                                                                                                                                                         | 4                                                                | 18 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 7+/-0,2 mm    | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | B                         | 3                                                                                                                                                                                                         | 5                                                                | 18 AWG       | PUR CSA/UL 20668     | Czarny/Black       | 7,8+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180073                                                             | D                         | 3                                                                                                                                                                                                         | 3                                                                | 0,75 mm2     | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180145                                                             | D                         | 3                                                                                                                                                                                                         | 4                                                                | 0,75 mm2     | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180120                                                             | I                         | 3                                                                                                                                                                                                         | 3                                                                | 0,75 mm2     | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -             | -       | -     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180143                                                             | I                         | 3                                                                                                                                                                                                         | 4                                                                | 0,75 mm2     | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -             | -       | -     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180032                                                             | N                         | 3                                                                                                                                                                                                         | 2                                                                | 0,75 mm2     | PVCH05               | Czarny/Black       | 6,2+ 0,2-0 mm | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180069                                                             | N                         | 3                                                                                                                                                                                                         | 3                                                                | 0,75 mm2     | PVCH05               | Czarny/Black       | 6,6+0,2-0 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | N                         | 3                                                                                                                                                                                                         | 4                                                                | 0,75 mm2     | PVCH05               | Czarny/Black       | 7,15+0,2-0 mm | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| 1210180174                                                             | N                         | 3                                                                                                                                                                                                         | 5                                                                | 0,75 mm2     | PVCH05               | Czarny/Black       | 8,0+0,2-0 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| -                                                                      | P                         | 3                                                                                                                                                                                                         | 2                                                                | 0,75 mm2     | PUR - BLEND          | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| DOCUMENT STATUS                                                        |                           |                                                                                                                                                                                                           | P1                                                               | RELEASE DATE | 2025/06/27           | 09:09:12           |               |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      |       |          |                      |                    |              |         |       |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |
| FORMAT: Mxl-lega-master 4b-prod-A3<br>REVISION: E1<br>DATE: 2021/05/01 |                           |                                                                                                                                                                                                           | 9                                                                |              | 8                    |                    | 7             |         | 6     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5   |      | 4     |          | 3                    |                    | 2            |         | 1     |                  |                           |                        |                      |   |     |                                                                                                                                                              |                                                                  |   |     |                                                                                                                                                |                                                                  |   |     |                                                                                                                                      |                                                                  |   |     |                                                                                                                                                                                                           |                                          |   |     |                                                                                                                                                        |                                          |

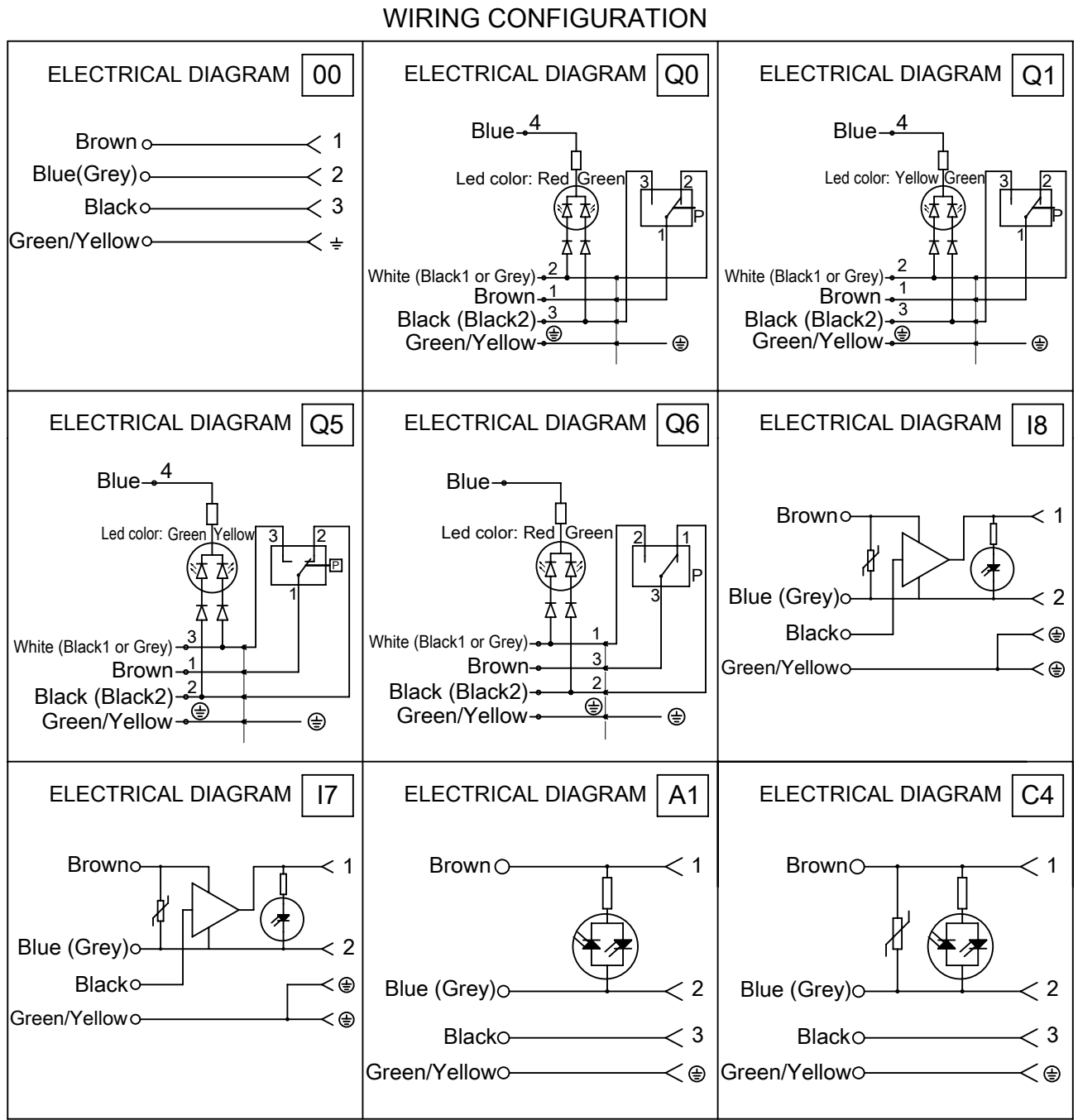
TABELA 3/CHART 3

| MOLEX P/N  | WOODHEAD P/N    |
|------------|-----------------|
| 1210400525 | E453B3A10K22000 |
| 1210400526 | E453B3A10K62000 |
| 1210400529 | E453B3A50022000 |
| 1210400539 | E453N3N30022000 |
| 1210400540 | E453N3N30062000 |
| 1210400833 | E453A3A10022000 |
| 1210400864 | E453B2A30022000 |
| 1210400937 | E453N3N2002P000 |
| 1210400953 | E453N3N1002P000 |
| 1210400967 | E453N3N5002P000 |
| 1210400973 | E453P3N2502P000 |
| 1210502410 | E453I2N30021Q12 |
| 1210502440 | E453I2N50021Q12 |
| 1210502517 | E453I2N10K21Q12 |
| 1210502557 | E453I2N50021Q02 |
| 1210501787 | E453N3N30061Q02 |
| 1210501869 | E453P2N50021Q52 |
| 1210503035 | E453N2N20061C42 |

|                                                                                                                                               |    |       |   |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|--------------------------------------------------------------------------------------------|--|---------|--|----------------------|--|-----------------|--|----------------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |       |   |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
| DIMENSION UNITS                                                                                                                               |    | SCALE |   | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183                          |  |         |  | <div>molex</div>     |  |                 |  |                |  |              |  |
| mm                                                                                                                                            |    | NTS   |   |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |    |       |   |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
|                                                                                                                                               | MM | INCH  |   |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
| 4 PLACES                                                                                                                                      | ±  |       | ± | EC NO: 826029<br>DRWN: RAGHAH3 2025/06/19<br>CHK'D: GGA 2025/06/27<br>APPR: GGA 2025/06/27 |  |         |  | MPM E453XXXXXXXXXXXX |  |                 |  |                |  |              |  |
| 3 PLACES                                                                                                                                      | ±  |       | ± |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
| 2 PLACES                                                                                                                                      | ±  |       | ± |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
| 1 PLACE                                                                                                                                       | ±  |       | ± |                                                                                            |  |         |  |                      |  |                 |  |                |  |              |  |
| 0 PLACES                                                                                                                                      | ±  |       | ± | INITIAL REVISION:                                                                          |  |         |  | DOCUMENT NUMBER      |  |                 |  |                |  |              |  |
| ANGULAR TOL ± °                                                                                                                               |    |       |   | DRWN: MWOLSZCZAK 2009/01/20                                                                |  |         |  | E453XXXXXXXXXXXX     |  |                 |  |                |  |              |  |
|                                                                                                                                               |    |       |   | APPR: GOGRODNIK 2009/01/20                                                                 |  |         |  | PSD                  |  |                 |  |                |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |    |       |   | FIRST ANGLE PROJECTION                                                                     |  | DRAWING |  | SERIES               |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |    |       |   |                                                                                            |  | A3-SIZE |  | 121040               |  | SEE TABLE       |  | GENERAL MARKET |  | 4 OF 4       |  |



| Table of length tolerances [mm] |                     |               |
|---------------------------------|---------------------|---------------|
| Over                            | Up to and including | Tolerance (+) |
| 0                               | 1000                | ±20           |
| 1000                            | 3000                | ±30           |
| 3000                            | 5000                | ±40           |
| 5000                            | 10000               | ±50           |
| 10000                           | 15000               | ±100          |
| 15000                           | 20000               | ±150          |
| 20000                           |                     | ±L/100        |



|                                                                                                                                               |  |                     |  |                                                                   |  |          |                                                                                  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-------------------------------------------------------------------|--|----------|----------------------------------------------------------------------------------|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                     |  |                                                                   |  |          |                                                                                  |              |  |
| DIMENSION UNITS<br><b>mm</b>                                                                                                                  |  | SCALE<br><b>NTS</b> |  | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515182 |  |          | <div><b>molex</b></div> <div>E453XXXXXXXXXXXX<br/>DIN FORM A EN 175301-803</div> |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                     |  | EC NO: 806192<br>DRWN: MADHAM5<br>CHK'D: GGA<br>APPR: GGA         |  |          |                                                                                  |              |  |
| ANGULAR TOL ± °                                                                                                                               |  |                     |  | 2024/11/25<br>2024/12/09<br>2024/12/09                            |  |          | PRODUCT CUSTOMER DRAWING                                                         |              |  |
| 4 PLACES ±                                                                                                                                    |  |                     |  | INITIAL REVISION:                                                 |  |          | DOCUMENT NUMBER                                                                  |              |  |
| 3 PLACES ±                                                                                                                                    |  |                     |  | DRWN: JMARSZALEK                                                  |  |          | SD-121050-006                                                                    |              |  |
| 2 PLACES ±                                                                                                                                    |  |                     |  | APPR: MIWASIECZKO                                                 |  |          | DOC TYPE                                                                         |              |  |
| 1 PLACE ±                                                                                                                                     |  |                     |  | 2012/11/27                                                        |  |          | PSD                                                                              |              |  |
| 0 PLACES ±                                                                                                                                    |  |                     |  | 2013/02/12                                                        |  |          | DOC PART                                                                         |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |                     |  | THIRD ANGLE PROJECTION                                            |  | DRAWING  |                                                                                  | REVISION     |  |
| A3-SIZE                                                                                                                                       |  | SERIES              |  | MATERIAL NUMBER                                                   |  | CUSTOMER |                                                                                  | SHEET NUMBER |  |
| 121050                                                                                                                                        |  | SEE SHEET 2 & 4     |  | GENERAL MARKET                                                    |  | 1 OF 10  |                                                                                  |              |  |

DOCUMENT STATUS

P1

RELEASE DATE

2024/12/09 11:41:37



TABLE 2 - CABLES

| Cable type | Cable code | Wires no. | Cross Section | Jacket material      | Jacket color | Diameter Ø[mm] | Wire colors           |
|------------|------------|-----------|---------------|----------------------|--------------|----------------|-----------------------|
| I          | 0          | 3         | 1 mm²         | PVC CEI 2022 II O.R. | Grey         | 7.6±0.2        | BN, BU, GN/YE         |
| A          | 2          | 2         | 20 AWG        | PVC CSA/UL 2661      | Black        | 5.4±0.2        | BN, BU                |
| A          | 2          | 3         | 20 AWG        | PVC CSA/UL 2661      | Black        | 5.6±0.2        | BN, BU, GN/YE         |
| A          | 2          | 4         | 20 AWG        | PVC CSA/UL 2661      | Black        | 6.2±0.25       | BN, BU, BK, GN/YE     |
| B          | 2          | 2         | 20 AWG        | PUR CSA/UL 20668     | Black        | 5.6±0.2        | BN, BU                |
| B          | 2          | 3         | 20 AWG        | PUR CSA/UL 20668     | Black        | 5.6±0.2        | BN, BU, GN/YE         |
| B          | 2          | 4         | 0.5 mm²       | PUR CSA/UL 20668     | Black        | 6.3±0.2        | BN, BU, BK, GN/YE     |
| D          | 2          | 3         | 0.5 mm²       | PVC CEI 20-20        | Grey         | 5.5+0.3/-0     | BN, BU, GN/YE         |
| I          | 2          | 2         | 0.5 mm²       | PVC CEI 2022 II O.R. | Grey         | 5.5+0.3/-0     | BN, BU                |
| I          | 2          | 3         | 0.5 mm²       | PVC CEI 2022 II O.R. | Grey         | 5.5+0.3/-0     | BN, BU, GN/YE         |
| I          | 2          | 4         | 0.5 mm²       | PVC CEI 2022 II O.R. | Grey         | 6.5±0.2        | BN, BU, BK, GN/YE     |
| I          | 2          | 5         | 0.5 mm²       | PVC CEI 2022 II O.R. | Grey         | 7.0+0.3/-0     | BN, BU, BK, WH, GN/YE |
| N          | 2          | 2         | 0.5 mm²       | PVC H03VV-F          | Black        | 5.2±0.2        | BN, BU                |
| N          | 2          | 3         | 0.5 mm²       | PVC H03VV-F          | Black        | 5.5±0.2        | BN, BU, GN/YE         |
| N          | 2          | 4         | 0.5 mm²       | PVC H03VV-F          | Black        | 5.9±0.3        | BN, BU, BK, GN/YE     |
| P          | 2          | 2         | 0.5 mm²       | PUR - BLEND          | Black        | 5.5±0.2        | BN, BU                |
| P          | 2          | 3         | 0.5 mm²       | PUR - BLEND          | Black        | 5.5+0.3/-0     | BN, BU, GN/YE         |
| P          | 2          | 4         | 0.5 mm²       | PUR - BLEND          | Black        | 6.5±0.2        | BN, BU, BK, GN/YE     |
| P          | 2          | 5         | 0.5 mm²       | PUR - BLEND          | Black        | 7+0.3/-0.1     | BN, BU, BK, WH, GN/YE |
| A          | 3          | 2         | 18 AWG        | PVC CSA/UL 2661      | Black        | 6.2±0.25       | BN, BU                |
| A          | 3          | 3         | 18 AWG        | PVC CSA/UL 2661      | Black        | 6.5±0.25       | BN, BU, GN/YE         |
| A          | 3          | 4         | 18 AWG        | PVC CSA/UL 2661      | Black        | 7.0+0.3/-0     | BN, BU, BK, GN/YE     |
| A          | 3          | 5         | 18 AWG        | PVC CSA/UL 2661      | Black        | 7.8±0.25       | BN, BU, BK, WH, GN/YE |
| B          | 3          | 2         | 18 AWG        | PUR CSA/UL 20668     | Black        | 6.2±0.2        | BN, BU                |
| B          | 3          | 3         | 18 AWG        | PUR CSA/UL 20668     | Black        | 6.5±0.2        | BN, BU, GN/YE         |
| B          | 3          | 4         | 18 AWG        | PUR CSA/UL 20668     | Black        | 7±0.2          | BN, BU, BK, GN/YE     |
| B          | 3          | 5         | 18 AWG        | PUR CSA/UL 20668     | Black        | 7.8±0.25       | BN, BU, BK, WH, GN/YE |
| D          | 3          | 3         | 0.75 mm²      | PVC CEI 20-20        | Grey         | 6.5±0.2        | BN, BU, GN/YE         |
| D          | 3          | 4         | 0.75 mm²      | PVC CEI 20-20        | Grey         | 7.1±0.2        | BN, BU, BK, GN/YE     |
| I          | 3          | 2         | 0.75 mm²      | PVC CEI 2022 II O.R. | Grey         | 5.5±0.2        | BK1, BK2              |
| I          | 3          | 3         | 0.75 mm²      | PVC CEI 2022 II O.R. | Grey         | 6.0±0.2        | BK1, BK2, BK3         |
| I          | 3          | 4         | 0.75 mm²      | PVC CEI 2022 II O.R. | Grey         | 7.0±0.2        | BN, BU, BK, GN/YE     |
| N          | 3          | 2         | 0.75 mm²      | PVC H05VV-F          | Black        | 6.2±0.2        | BN, BU                |
| N          | 3          | 3         | 0.75 mm²      | PVC H05VV-F          | Black        | 6.5±0.2        | BN, BU, GN/YE         |
| N          | 3          | 4         | 0.75 mm²      | PVC H05VV-F          | Black        | 7.1±0.2        | BN, BU, BK, GN/YE     |
| N          | 3          | 5         | 0.75 mm²      | PVC H05VV-F          | Black        | 8.0+0.2/-0     | BN, BU, BK, GY, GN/YE |
| P          | 3          | 2         | 0.75 mm²      | PUR - BLEND          | Black        | 6.5±0.2        | BN, BU                |
| P          | 3          | 3         | 0.75 mm²      | PUR - BLEND          | Black        | 6.5±0.2        | BN, BU, GN/YE         |
| P          | 3          | 4         | 0.75 mm²      | PUR - BLEND          | Black        | 7.0±0.2        | BN, BU, BK, GN/YE     |

TABLE 2 - CABLES

| Cable type | Cable code | Wires no. | Cross Section | Jacket material      | Jacket color | Diameter Ø[mm] | Wire colors       |
|------------|------------|-----------|---------------|----------------------|--------------|----------------|-------------------|
| R          | 3          | 3         | 0.75 mm²      | TPR HAL. FREE        | Black        | 6.5±0.2        | BN, BU, GN/YE     |
| T          | 3          | 3         | 0.75 mm²      | PUR CSA/UL 20668     | Yellow       | 6.5±0.2        | BN, BU, GN/YE     |
| Y          | 3          | 3         | 0.75 mm²      | SILICONE RUBBER      | Red          | 6.5±0.2        | BN, BU, GN/YE     |
| F          | 4          | 3         | 1 mm²         | PVC CNOMO            | Grey         | 7.1+0.2/-0     | BK1, BK2, GN/YE   |
| I          | 4          | 2         | 1 mm²         | PVC CEI 2022 II O.R. | Grey         | 7.1+0.2/-0     | BN, BU            |
| I          | 4          | 3         | 1 mm²         | PVC CEI 2022 II O.R. | Grey         | 7.1+0.2/-0     | BN, BU, GN/YE     |
| N          | 4          | 2         | 1 mm²         | PVC H05VV-F          | Black        | 6.5±0.2        | BN, BU            |
| N          | 4          | 3         | 1 mm²         | PVC H05VV-F          | Black        | 6.9±0.2        | BN, BU, GN/YE     |
| R          | 4          | 3         | 1 mm²         | TPR HAL.FREE         | Black        | 7.1±0.2        | BN, BU, GN/YE     |
| N          | 5          | 3         | 1.5 mm²       | PVC H05VV-F          | Black        | 7.9±0.2        | BN, BU, GN/YE     |
| I          | 6          | 2         | 0.35 mm²      | PVC CEI 2011         | Grey         | 4.8±0.2        | BN, WH            |
| I          | 9          | 4         | 0.75 mm²      | PVC CEI 2022 II      | Grey         | 7.3±0.2        | BN, BU, BK, GN/YE |

TABLE 1 - CABLES TYPE

| Code | Cable types | Features                                                                                                                        | Cable type<br>Cross section           |
|------|-------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| N    | PVC         | Application general purpose cable which has good resistance to water, but usually poor oil resistance.                          | N2=0.5 mm2<br>N3=0.75 mm2<br>N4=1 mm2 |
| I    | CEI         | Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.                              | I2=0.5 mm2<br>I3=0.75 mm2<br>I4=1 mm2 |
| P    | PUR         | Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.                                        | P2=0.5 mm2<br>P3=0.75 mm2<br>P4=1 mm2 |
| A    | PVC CSA-UL  | Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance. | A2=20 AWG<br>A3=18 AWG                |
| B    | PUR CSA-UL  | Approved to CSA-UL 20668, very good resistance to oil and chemicals.                                                            | B2=20 AWG<br>B3=18 AWG                |



| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 201  | 2210507841 | E453A3A10021I75  |
| 202  | 2210507842 | E453A3A10021I7A  |
| 203  | 2210507843 | E453A3A10021I7B  |
| 204  | 2210507844 | E453A3A10021I7C  |
| 205  | 2210507845 | E453A3A10021I7D  |
| 206  | 2210507846 | E453A3A10021I7E  |
| 207  | 2210507847 | E453A3A10021I7G  |
| 208  | 2210507848 | E453A3A10021I7H  |
| 209  | 2210507849 | E453A3A10021I7K  |
| 210  | 2210507850 | E453A3A10021I7L  |
| 211  | 2210507851 | E453A3A10021I7M  |
| 212  | 2210507852 | E453A3A10K11000  |
| 213  | 2210507853 | E453A3A10K21I71  |
| 214  | 2210507854 | E453A3A10K21I72  |
| 215  | 2210507855 | E453A3A10K21I73  |
| 216  | 2210507856 | E453A3A10K21I74  |
| 217  | 2210507857 | E453A3A10K21I75  |
| 218  | 2210507858 | E453A3A10K21I7A  |
| 219  | 2210507859 | E453A3A10K21I7B  |
| 220  | 2210507860 | E453A3A10K21I7C  |
| 221  | 2210507861 | E453A3A10K21I7D  |
| 222  | 2210507862 | E453A3A10K21I7E  |
| 223  | 2210507863 | E453A3A10K21I7G  |
| 224  | 2210507864 | E453A3A10K21I7H  |
| 225  | 2210507865 | E453A3A10K21I7K  |
| 226  | 2210507866 | E453A3A10K21I7L  |
| 227  | 2210507867 | E453A3A10K21I7M  |
| 228  | 2210507868 | E453A3A15011000  |
| 229  | 2210507869 | E453A3A15021I71  |
| 230  | 2210507870 | E453A3A15021I72  |
| 231  | 2210507871 | E453A3A15021I73  |
| 232  | 2210507872 | E453A3A15021I74  |
| 233  | 2210507873 | E453A3A15021I75  |
| 234  | 2210507874 | E453A3A15021I7A  |
| 235  | 2210507875 | E453A3A15021I7B  |
| 236  | 2210507876 | E453A3A15021I7C  |
| 237  | 2210507877 | E453A3A15021I7D  |
| 238  | 2210507878 | E453A3A15021I7E  |
| 239  | 2210507879 | E453A3A15021I7G  |
| 240  | 2210507880 | E453A3A15021I7H  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 241  | 2210507881 | E453A3A15021I7K  |
| 242  | 2210507882 | E453A3A15021I7L  |
| 243  | 2210507883 | E453A3A15021I7M  |
| 244  | 2210507884 | E453A3A20011000  |
| 245  | 2210507885 | E453A3A20021I71  |
| 246  | 2210507886 | E453A3A20021I72  |
| 247  | 2210507887 | E453A3A20021I73  |
| 248  | 2210507888 | E453A3A20021I74  |
| 249  | 2210507889 | E453A3A20021I75  |
| 250  | 2210507890 | E453A3A20021I7A  |
| 251  | 2210507891 | E453A3A20021I7B  |
| 252  | 2210507892 | E453A3A20021I7C  |
| 253  | 2210507893 | E453A3A20021I7D  |
| 254  | 2210507894 | E453A3A20021I7E  |
| 255  | 2210507895 | E453A3A20021I7G  |
| 256  | 2210507896 | E453A3A20021I7H  |
| 257  | 2210507897 | E453A3A20021I7K  |
| 258  | 2210507898 | E453A3A20021I7L  |
| 259  | 2210507899 | E453A3A20021I7M  |
| 260  | 2210507900 | E453A3A30011000  |
| 261  | 2210507901 | E453A3A30021I71  |
| 262  | 2210507902 | E453A3A30021I72  |
| 263  | 2210507903 | E453A3A30021I73  |
| 264  | 2210507904 | E453A3A30021I74  |
| 265  | 2210507905 | E453A3A30021I75  |
| 266  | 2210507906 | E453A3A30021I7A  |
| 267  | 2210507907 | E453A3A30021I7B  |
| 268  | 2210507908 | E453A3A30021I7C  |
| 269  | 2210507909 | E453A3A30021I7D  |
| 270  | 2210507910 | E453A3A30021I7E  |
| 271  | 2210507911 | E453A3A30021I7G  |
| 272  | 2210507912 | E453A3A30021I7H  |
| 273  | 2210507913 | E453A3A30021I7K  |
| 274  | 2210507914 | E453A3A30021I7L  |
| 275  | 2210507915 | E453A3A30021I7M  |
| 276  | 2210507916 | E453A3A50011000  |
| 277  | 2210507917 | E453A3A50021I71  |
| 278  | 2210507918 | E453A3A50021I72  |
| 279  | 2210507919 | E453A3A50021I73  |
| 280  | 2210507920 | E453A3A50021I74  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 281  | 2210507921 | E453A3A50021I75  |
| 282  | 2210507922 | E453A3A50021I7A  |
| 283  | 2210507923 | E453A3A50021I7B  |
| 284  | 2210507924 | E453A3A50021I7C  |
| 285  | 2210507925 | E453A3A50021I7D  |
| 286  | 2210507926 | E453A3A50021I7E  |
| 287  | 2210507927 | E453A3A50021I7G  |
| 288  | 2210507928 | E453A3A50021I7H  |
| 289  | 2210507929 | E453A3A50021I7K  |
| 290  | 2210507930 | E453A3A50021I7L  |
| 291  | 2210507931 | E453A3A50021I7M  |
| 292  | 2210507932 | E453B2A10011000  |
| 293  | 2210507933 | E453B2A10021I71  |
| 294  | 2210507934 | E453B2A10021I72  |
| 295  | 2210507935 | E453B2A10021I73  |
| 296  | 2210507936 | E453B2A10021I74  |
| 297  | 2210507937 | E453B2A10021I75  |
| 298  | 2210507938 | E453B2A10021I7A  |
| 299  | 2210507939 | E453B2A10021I7B  |
| 300  | 2210507940 | E453B2A10021I7C  |
| 301  | 2210507941 | E453B2A10021I7D  |
| 302  | 2210507942 | E453B2A10021I7E  |
| 303  | 2210507943 | E453B2A10021I7G  |
| 304  | 2210507944 | E453B2A10021I7H  |
| 305  | 2210507945 | E453B2A10021I7K  |
| 306  | 2210507946 | E453B2A10021I7L  |
| 307  | 2210507947 | E453B2A10021I7M  |
| 308  | 2210507948 | E453B2A10K11000  |
| 309  | 2210507949 | E453B2A10K21I71  |
| 310  | 2210507950 | E453B2A10K21I72  |
| 311  | 2210507951 | E453B2A10K21I73  |
| 312  | 2210507952 | E453B2A10K21I74  |
| 313  | 2210507953 | E453B2A10K21I75  |
| 314  | 2210507954 | E453B2A10K21I7A  |
| 315  | 2210507955 | E453B2A10K21I7B  |
| 316  | 2210507956 | E453B2A10K21I7C  |
| 317  | 2210507957 | E453B2A10K21I7D  |
| 318  | 2210507958 | E453B2A10K21I7E  |
| 319  | 2210507959 | E453B2A10K21I7G  |
| 320  | 2210507960 | E453B2A10K21I7H  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 321  | 2210507961 | E453B2A10K21I7K  |
| 322  | 2210507962 | E453B2A10K21I7L  |
| 323  | 2210507963 | E453B2A10K21I7M  |
| 324  | 2210507964 | E453B2A15011000  |
| 325  | 2210507965 | E453B2A15021I71  |
| 326  | 2210507966 | E453B2A15021I72  |
| 327  | 2210507967 | E453B2A15021I73  |
| 328  | 2210507968 | E453B2A15021I74  |
| 329  | 2210507969 | E453B2A15021I75  |
| 330  | 2210507970 | E453B2A15021I7A  |
| 331  | 2210507971 | E453B2A15021I7B  |
| 332  | 2210507972 | E453B2A15021I7C  |
| 333  | 2210507973 | E453B2A15021I7D  |
| 334  | 2210507974 | E453B2A15021I7E  |
| 335  | 2210507975 | E453B2A15021I7G  |
| 336  | 2210507976 | E453B2A15021I7H  |
| 337  | 2210507977 | E453B2A15021I7K  |
| 338  | 2210507978 | E453B2A15021I7L  |
| 339  | 2210507979 | E453B2A15021I7M  |
| 340  | 2210507980 | E453B2A20011000  |
| 341  | 2210507981 | E453B2A20021I71  |
| 342  | 2210507982 | E453B2A20021I72  |
| 343  | 2210507983 | E453B2A20021I73  |
| 344  | 2210507984 | E453B2A20021I74  |
| 345  | 2210507985 | E453B2A20021I75  |
| 346  | 2210507986 | E453B2A20021I7A  |
| 347  | 2210507987 | E453B2A20021I7B  |
| 348  | 2210507988 | E453B2A20021I7C  |
| 349  | 2210507989 | E453B2A20021I7D  |
| 350  | 2210507990 | E453B2A20021I7E  |
| 351  | 2210507991 | E453B2A20021I7G  |
| 352  | 2210507992 | E453B2A20021I7H  |
| 353  | 2210507993 | E453B2A20021I7K  |
| 354  | 2210507994 | E453B2A20021I7L  |
| 355  | 2210507995 | E453B2A20021I7M  |
| 356  | 2210507996 | E453B2A30011000  |
| 357  | 2210507997 | E453B2A30021I71  |
| 358  | 2210507998 | E453B2A30021I72  |
| 359  | 2210507999 | E453B2A30021I73  |
| 360  | 2210508000 | E453B2A30021I74  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 361  | 2210508001 | E453B2A30021I75  |
| 362  | 2210508002 | E453B2A30021I7A  |
| 363  | 2210508003 | E453B2A30021I7B  |
| 364  | 2210508004 | E453B2A30021I7C  |
| 365  | 2210508005 | E453B2A30021I7D  |
| 366  | 2210508006 | E453B2A30021I7E  |
| 367  | 2210508007 | E453B2A30021I7G  |
| 368  | 2210508008 | E453B2A30021I7H  |
| 369  | 2210508009 | E453B2A30021I7K  |
| 370  | 2210508010 | E453B2A30021I7L  |
| 371  | 2210508011 | E453B2A30021I7M  |
| 372  | 2210508012 | E453B2A50011000  |
| 373  | 2210508013 | E453B2A50021I71  |
| 374  | 2210508014 | E453B2A50021I72  |
| 375  | 2210508015 | E453B2A50021I73  |
| 376  | 2210508016 | E453B2A50021I74  |
| 377  | 2210508017 | E453B2A50021I75  |
| 378  | 2210508018 | E453B2A50021I7A  |
| 379  | 2210508019 | E453B2A50021I7B  |
| 380  | 2210508020 | E453B2A50021I7C  |
| 381  | 2210508021 | E453B2A50021I7D  |
| 382  | 2210508022 | E453B2A50021I7E  |
| 383  | 2210508023 | E453B2A50021I7G  |
| 384  | 2210508024 | E453B2A50021I7H  |
| 385  | 2210508025 | E453B2A50021I7K  |
| 386  | 2210508026 | E453B2A50021I7L  |
| 387  | 2210508027 | E453B2A50021I7M  |
| 388  | 2210508028 | E453B3A10011000  |
| 389  | 2210508029 | E453B3A10021I71  |
| 390  | 2210508030 | E453B3A10021I72  |
| 391  | 2210508031 | E453B3A10021I73  |
| 392  | 2210508032 | E453B3A10021I74  |
| 393  | 2210508033 | E453B3A10021I75  |
| 394  | 2210508034 | E453B3A10021I7A  |
| 395  | 2210508035 | E453B3A10021I7B  |
| 396  | 2210508036 | E453B3A10021I7C  |
| 397  | 2210508037 | E453B3A10021I7D  |
| 398  | 2210508038 | E453B3A10021I7E  |
| 399  | 2210508039 | E453B3A10021I7G  |
| 400  | 2210508040 | E453B3A10021I7H  |

[illegible]

|                                                                                                                                               |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|-----------------------------------------------------------------------------------------------------|--|-----------------|--|----------------------------------------------------------------------------------|--|----------------|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE                  |  | CURRENT REV DESC: REMOVED OBSOLETE PART<br>NUMBERS AS PER PCN#515182                                |  |                 |  | <div>molex</div> <div>E453XXXXXXXXXXXX</div> <div>DIN FORM A EN 175301-803</div> |  |                |  |              |  |
| mm                                                                                                                                            |  | NTS                    |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                        |  | EC NO: 806192<br>DRWN: MADHAM5<br>CHK'D: GGA<br>APPR: GGA<br>2024/11/25<br>2024/12/09<br>2024/12/09 |  |                 |  | <div>PRODUCT CUSTOMER DRAWING</div>                                              |  |                |  |              |  |
|                                                                                                                                               |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| ANGULAR TOL    ±    °                                                                                                                         |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| 4 PLACES    ±                                                                                                                                 |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| 3 PLACES    ±                                                                                                                                 |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| 2 PLACES    ±                                                                                                                                 |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| 1 PLACE    ±                                                                                                                                  |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| 0 PLACES    ±                                                                                                                                 |  |                        |  |                                                                                                     |  |                 |  |                                                                                  |  |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |                        |  | INITIAL REVISION:                                                                                   |  | DOCUMENT NUMBER |  | DOC TYPE                                                                         |  | DOC PART       |  | REVISION     |  |
|                                                                                                                                               |  |                        |  | DRWN: JMARSZALEK<br>APPR: MIWASIECZKO<br>2012/11/27<br>2013/02/12                                   |  | SD-121050-006   |  | PSD                                                                              |  | 001            |  | D1           |  |
|                                                                                                                                               |  | THIRD ANGLE PROJECTION |  | DRAWING                                                                                             |  | SERIES          |  | MATERIAL NUMBER                                                                  |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |                        |  | A3-SIZE                                                                                             |  | 121050          |  | SEE SHEET 2 & 4                                                                  |  | GENERAL MARKET |  | 5 OF 10      |  |



### TABLE 3 - PART LIST

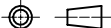
| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 601  | 2210508241 | E453I2N20021Q0D  |
| 602  | 2210508242 | E453I2N20021Q0E  |
| 603  | 2210508243 | E453I2N20021Q0G  |
| 604  | 2210508244 | E453I2N20021Q0H  |
| 605  | 2210508245 | E453I2N20021Q0K  |
| 606  | 2210508246 | E453I2N20021Q0L  |
| 607  | 2210508247 | E453I2N20021Q0M  |
| 608  | 2210508248 | E453I2N30011000  |
| 609  | 2210508249 | E453I2N30021I71  |
| 610  | 2210508250 | E453I2N30021I72  |
| 611  | 2210508251 | E453I2N30021I73  |
| 612  | 2210508252 | E453I2N30021I74  |
| 613  | 2210508253 | E453I2N30021I75  |
| 614  | 2210508254 | E453I2N30021I7A  |
| 615  | 2210508255 | E453I2N30021I7B  |
| 616  | 2210508256 | E453I2N30021I7C  |
| 617  | 2210508257 | E453I2N30021I7D  |
| 618  | 2210508258 | E453I2N30021I7E  |
| 619  | 2210508259 | E453I2N30021I7G  |
| 620  | 2210508260 | E453I2N30021I7H  |
| 621  | 2210508261 | E453I2N30021I7K  |
| 622  | 2210508262 | E453I2N30021I7L  |
| 623  | 2210508263 | E453I2N30021I7M  |
| 624  | 2210508264 | E453I2N30021Q01  |
| 625  | 2210508265 | E453I2N30021Q03  |
| 626  | 2210508266 | E453I2N30021Q04  |
| 627  | 2210508267 | E453I2N30021Q05  |
| 628  | 2210508268 | E453I2N30021Q0A  |
| 629  | 2210508269 | E453I2N30021Q0B  |
| 630  | 2210508270 | E453I2N30021Q0C  |
| 631  | 2210508271 | E453I2N30021Q0D  |
| 632  | 2210508272 | E453I2N30021Q0E  |
| 633  | 2210508273 | E453I2N30021Q0G  |
| 634  | 2210508274 | E453I2N30021Q0H  |
| 635  | 2210508275 | E453I2N30021Q0K  |
| 636  | 2210508276 | E453I2N30021Q0L  |
| 637  | 2210508277 | E453I2N30021Q0M  |
| 638  | 2210508278 | E453I2N50011000  |
| 639  | 2210508279 | E453I2N50021I71  |
| 640  | 2210508280 | E453I2N50021I72  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 641  | 2210508281 | E453I2N50021I73  |
| 642  | 2210508282 | E453I2N50021I74  |
| 643  | 2210508283 | E453I2N50021I75  |
| 644  | 2210508284 | E453I2N50021I7A  |
| 645  | 2210508285 | E453I2N50021I7B  |
| 646  | 2210508286 | E453I2N50021I7C  |
| 647  | 2210508287 | E453I2N50021I7D  |
| 648  | 2210508288 | E453I2N50021I7E  |
| 649  | 2210508289 | E453I2N50021I7G  |
| 650  | 2210508290 | E453I2N50021I7H  |
| 651  | 2210508291 | E453I2N50021I7K  |
| 652  | 2210508292 | E453I2N50021I7L  |
| 653  | 2210508293 | E453I2N50021I7M  |
| 654  | 2210508294 | E453I2N50021Q01  |
| 655  | 2210508295 | E453I2N50021Q03  |
| 656  | 2210508296 | E453I2N50021Q04  |
| 657  | 2210508297 | E453I2N50021Q05  |
| 658  | 2210508298 | E453I2N50021Q0A  |
| 659  | 2210508299 | E453I2N50021Q0B  |
| 660  | 2210508300 | E453I2N50021Q0C  |
| 661  | 2210508301 | E453I2N50021Q0D  |
| 662  | 2210508302 | E453I2N50021Q0E  |
| 663  | 2210508303 | E453I2N50021Q0G  |
| 664  | 2210508304 | E453I2N50021Q0H  |
| 665  | 2210508305 | E453I2N50021Q0K  |
| 666  | 2210508306 | E453I2N50021Q0L  |
| 667  | 2210508307 | E453I2N50021Q0M  |
| 668  | 2210508308 | E453I3N10011000  |
| 669  | 2210508309 | E453I3N10021I71  |
| 670  | 2210508310 | E453I3N10021I72  |
| 671  | 2210508311 | E453I3N10021I73  |
| 672  | 2210508312 | E453I3N10021I74  |
| 673  | 2210508313 | E453I3N10021I75  |
| 674  | 2210508314 | E453I3N10021I7A  |
| 675  | 2210508315 | E453I3N10021I7B  |
| 676  | 2210508316 | E453I3N10021I7C  |
| 677  | 2210508317 | E453I3N10021I7D  |
| 678  | 2210508318 | E453I3N10021I7E  |
| 679  | 2210508319 | E453I3N10021I7G  |
| 680  | 2210508320 | E453I3N10021I7H  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 681  | 2210508321 | E45313N10021I7K  |
| 682  | 2210508322 | E45313N10021I7L  |
| 683  | 2210508323 | E45313N10021I7M  |
| 684  | 2210508324 | E45313N10021Q01  |
| 685  | 2210508325 | E45313N10021Q02  |
| 686  | 2210508326 | E45313N10021Q03  |
| 687  | 2210508327 | E45313N10021Q04  |
| 688  | 2210508328 | E45313N10021Q05  |
| 689  | 2210508329 | E45313N10021Q0A  |
| 690  | 2210508330 | E45313N10021Q0B  |
| 691  | 2210508331 | E45313N10021Q0C  |
| 692  | 2210508332 | E45313N10021Q0D  |
| 693  | 2210508333 | E45313N10021Q0E  |
| 694  | 2210508334 | E45313N10021Q0G  |
| 695  | 2210508335 | E45313N10021Q0H  |
| 696  | 2210508336 | E45313N10021Q0K  |
| 697  | 2210508337 | E45313N10021Q0L  |
| 698  | 2210508338 | E45313N10021Q0M  |
| 699  | 2210508339 | E45313N10K11000  |
| 700  | 2210508340 | E45313N10K21I71  |
| 701  | 2210508341 | E45313N10K21I72  |
| 702  | 2210508342 | E45313N10K21I73  |
| 703  | 2210508343 | E45313N10K21I74  |
| 704  | 2210508344 | E45313N10K21I75  |
| 705  | 2210508345 | E45313N10K21I7A  |
| 706  | 2210508346 | E45313N10K21I7B  |
| 707  | 2210508347 | E45313N10K21I7C  |
| 708  | 2210508348 | E45313N10K21I7D  |
| 709  | 2210508349 | E45313N10K21I7E  |
| 710  | 2210508350 | E45313N10K21I7G  |
| 711  | 2210508351 | E45313N10K21I7H  |
| 712  | 2210508352 | E45313N10K21I7K  |
| 713  | 2210508353 | E45313N10K21I7L  |
| 714  | 2210508354 | E45313N10K21I7M  |
| 715  | 2210508355 | E45313N10K21Q01  |
| 716  | 2210508356 | E45313N10K21Q02  |
| 717  | 2210508357 | E45313N10K21Q03  |
| 718  | 2210508358 | E45313N10K21Q04  |
| 719  | 2210508359 | E45313N10K21Q05  |
| 720  | 2210508360 | E45313N10K21Q0A  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
| 721  | 2210508361 | E45313N10K21Q0B  |
| 722  | 2210508362 | E45313N10K21Q0C  |
| 723  | 2210508363 | E45313N10K21Q0D  |
| 724  | 2210508364 | E45313N10K21Q0E  |
| 725  | 2210508365 | E45313N10K21Q0G  |
| 726  | 2210508366 | E45313N10K21Q0H  |
| 727  | 2210508367 | E45313N10K21Q0K  |
| 728  | 2210508368 | E45313N10K21Q0L  |
| 729  | 2210508369 | E45313N10K21Q0M  |
| 730  | 2210508370 | E45313N15011000  |
| 731  | 2210508371 | E45313N15021I71  |
| 732  | 2210508372 | E45313N15021I72  |
| 733  | 2210508373 | E45313N15021I73  |
| 734  | 2210508374 | E45313N15021I74  |
| 735  | 2210508375 | E45313N15021I75  |
| 736  | 2210508376 | E45313N15021I7A  |
| 737  | 2210508377 | E45313N15021I7B  |
| 738  | 2210508378 | E45313N15021I7C  |
| 739  | 2210508379 | E45313N15021I7D  |
| 740  | 2210508380 | E45313N15021I7E  |
| 741  | 2210508381 | E45313N15021I7G  |
| 742  | 2210508382 | E45313N15021I7H  |
| 743  | 2210508383 | E45313N15021I7K  |
| 744  | 2210508384 | E45313N15021I7L  |
| 745  | 2210508385 | E45313N15021I7M  |
| 746  | 2210508386 | E45313N15021Q01  |
| 747  | 2210508387 | E45313N15021Q02  |
| 748  | 2210508388 | E45313N15021Q03  |
| 749  | 2210508389 | E45313N15021Q04  |
| 750  | 2210508390 | E45313N15021Q05  |
| 751  | 2210508391 | E45313N15021Q0A  |
| 752  | 2210508392 | E45313N15021Q0B  |
| 753  | 2210508393 | E45313N15021Q0C  |
| 754  | 2210508394 | E45313N15021Q0D  |
| 755  | 2210508395 | E45313N15021Q0E  |
| 756  | 2210508396 | E45313N15021Q0G  |
| 757  | 2210508397 | E45313N15021Q0H  |
| 758  | 2210508398 | E45313N15021Q0K  |
| 759  | 2210508399 | E45313N15021Q0L  |
| 760  | 2210508400 | E45313N15021Q0M  |

| Pos. | Molex PN:  | Engineering No.: |
|------|------------|------------------|
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| 762  | 2210508402 | E45313N20021I71  |
| 763  | 2210508403 | E45313N20021I72  |
| 764  | 2210508404 | E45313N20021I73  |
| 765  | 2210508405 | E45313N20021I74  |
| 766  | 2210508406 | E45313N20021I75  |
| 767  | 2210508407 | E45313N20021I7A  |
| 768  | 2210508408 | E45313N20021I7B  |
| 769  | 2210508409 | E45313N20021I7C  |
| 770  | 2210508410 | E45313N20021I7D  |
| 771  | 2210508411 | E45313N20021I7E  |
| 772  | 2210508412 | E45313N20021I7G  |
| 773  | 2210508413 | E45313N20021I7H  |
| 774  | 2210508414 | E45313N20021I7K  |
| 775  | 2210508415 | E45313N20021I7L  |
| 776  | 2210508416 | E45313N20021I7M  |
| 777  | 2210508417 | E45313N20021Q01  |
| 778  | 2210508418 | E45313N20021Q03  |
| 779  | 2210508419 | E45313N20021Q04  |
| 780  | 2210508420 | E45313N20021Q05  |
| 781  | 2210508421 | E45313N20021Q0A  |
| 782  | 2210508422 | E45313N20021Q0B  |
| 783  | 2210508423 | E45313N20021Q0C  |
| 784  | 2210508424 | E45313N20021Q0D  |
| 785  | 2210508425 | E45313N20021Q0E  |
| 786  | 2210508426 | E45313N20021Q0G  |
| 787  | 2210508427 | E45313N20021Q0H  |
| 788  | 2210508428 | E45313N20021Q0K  |
| 789  | 2210508429 | E45313N20021Q0L  |
| 790  | 2210508430 | E45313N20021Q0M  |
| 791  | 2210508431 | E45313N30011000  |
| 792  | 2210508432 | E45313N30021I71  |
| 793  | 2210508433 | E45313N30021I72  |
| 794  | 2210508434 | E45313N30021I73  |
| 795  | 2210508435 | E45313N30021I74  |
| 796  | 2210508436 | E45313N30021I75  |
| 797  | 2210508437 | E45313N30021I7A  |
| 798  | 2210508438 | E45313N30021I7B  |
| 799  | 2210508439 | E45313N30021I7C  |
| 800  | 2210508440 | E45313N30021I7D  |

|                                                                                                                                               |  |                                                                                                                 |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------|--|----------------------------------------------|--|------------------------------------|--|----------------------------|--|-------------------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                                                 |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                                           |  | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515182 |  | <div>molex</div>                             |  |                                    |  |                            |  |                         |  |
| mm                                                                                                                                            |  | NTS                                                                                                             |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                                                                                                                 |  |                                                                   |  | E453XXXXXXXXXXXX<br>DIN FORM A EN 175301-803 |  |                                    |  |                            |  |                         |  |
| ANGULAR TOL    ±       °                                                                                                                      |  |                                                                                                                 |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
| 4 PLACES                                                                                                                                      |  | ±                                                                                                               |  |                                                                   |  | PRODUCT CUSTOMER DRAWING                     |  |                                    |  |                            |  |                         |  |
| 3 PLACES                                                                                                                                      |  | ±                                                                                                               |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
| 2 PLACES                                                                                                                                      |  | ±                                                                                                               |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
| 1 PLACE                                                                                                                                       |  | ±                                                                                                               |  | DOCUMENT NUMBER                                                   |  | DOC TYPE                                     |  | DOC PART                           |  | REVISION                   |  |                         |  |
| 0 PLACES                                                                                                                                      |  | ±                                                                                                               |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>A3-SIZE                                                |  | SERIES<br>121050                             |  | MATERIAL NUMBER<br>SEE SHEET 2 & 4 |  | CUSTOMER<br>GENERAL MARKET |  | SHEET NUMBER<br>7 OF 10 |  |
|                                                                                                                                               |  |                                                                                                                 |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
|                                                                                                                                               |  |                                                                                                                 |  |                                                                   |  |                                              |  |                                    |  |                            |  |                         |  |
|                                                                                                                                               |  | EC NO: 806192                                                                                                   |  | DRWN: MADHAM5                                                     |  | 2024/11/25                                   |  |                                    |  |                            |  |                         |  |
|                                                                                                                                               |  | CHK'D: GGA                                                                                                      |  | 2024/12/09                                                        |  |                                              |  |                                    |  |                            |  |                         |  |
|                                                                                                                                               |  | APPR: GGA                                                                                                       |  | 2024/12/09                                                        |  |                                              |  |                                    |  |                            |  |                         |  |
|                                                                                                                                               |  | INITIAL REVISION:                                                                                               |  |                                                                   |  | DOCUMENT NUMBER<br>SD-121050-006             |  | DOC TYPE<br>PSD                    |  | DOC PART<br>001            |  | REVISION<br>D1          |  |
|                                                                                                                                               |  | DRWN: JMARSZALEK                                                                                                |  | 2012/11/27                                                        |  |                                              |  |                                    |  |                            |  |                         |  |
|                                                                                                                                               |  | APPR: MIWASIECZKO                                                                                               |  | 2013/02/12                                                        |  |                                              |  |                                    |  |                            |  |                         |  |



FORMAT: master-tb-prod-A3  
REVISION: J1  
DATE: 2021/05/01

| Pos. | Molex PN:      | Engineering No.: |
|------|----------------|------------------|
| 1161 | 2210508801     | E453P2N10K21Q0L  |
| 1162 | 2210508802     | E453P2N10K21Q0M  |
| 1163 | 2210508803     | E453P2N15021Q01  |
| 1164 | 2210508804     | E453P2N15021Q02  |
| 1165 | 2210508805     | E453P2N15021Q03  |
| 1166 | 2210508806     | E453P2N15021Q04  |
| 1167 | 2210508807     | E453P2N15021Q05  |
| 1168 | 2210508808     | E453P2N15021Q0A  |
| 1169 | 2210508809     | E453P2N15021Q0B  |
| 1170 | 2210508810     | E453P2N15021Q0C  |
| 1171 | 2210508811     | E453P2N15021Q0D  |
| 1172 | 2210508812     | E453P2N15021Q0E  |
| 1173 | 2210508813     | E453P2N15021Q0G  |
| 1174 | 2210508814     | E453P2N15021Q0H  |
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