

PN KEY ENGINEERING PN

E

4

5

2

X

X

X

X

X

X

X

X

X

X

X

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

Cable type:
See Table

Head Colour:
G - Grey
N - Black
A - CSA-UL Black
B - CSA-UL Grey

Cable Length in[cm]
050 = 50cm
300 = 300cm
10K = 1000cm

Earth PIN location (see insert orientation table):
1 = Double Earth on H6 & H12
2 = Earth on H12
3 = Earth on H3
4 = Double Earth on H3 & H9
6 = Earth on H6
9 = Earth on H9

Wiring Configuration:
See sheet 3

Voltage and Led Colour

Red Led:	Green Led:	Yellow Led:
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V
3 = 48V	C = 48V	K = 48V
4 = 115V	D = 115V	L = 115V
5 = 230V	E = 230V	M = 230V

Type of Gasket and Screw (see sheet 1):
1 = NBR Profile Gasket + Fixing Screw M3x25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
3 = Silicone Profile Gasket + Fixing Screw M3x25mm
4 = Silicone Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A2	3	AWG 20	5.6mm±0.2	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
A3	3	AWG 18	6.5mm±0.25	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
B2	3	AWG 20	5.6mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
B3	3	AWG 18	6.5mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
F4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-15°C to +70°C, 10xO.D.	-5°C to +60°C, 15xO.D.	-
I0	3	1mm²	7.6mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	YES
I2	3	0.5mm²	5.5mm+0.3	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I3	3	0.75mm²	6.0mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
N2	3	0.5mm²	5.6mm±0.7	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N3	3	0.75mm²	6.8mm±0.8	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N4	3	1mm²	7.15mm±0.85	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
P1	3	0.34mm²	5.3mm±0.2	PUR BLACK	-	-	-25°C to +80°C, 10xO.D.	-5°C to +80°C, 15xO.D.	-
P2	3	0.5mm²	5.5mm+0.3	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
P3	3	0.75mm²	6.5mm±0.2	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
R4	3	1mm²	7.1mm±0.2	TPR HF BLACK	-	-	-	-	-
Y3	3	0.75mm²	6.5mm±0.2	SILICONE RED	-	-	-60°C to +180°C, 15xO.D.	-	-

Notes:

1. Please see excel sheet 1210502000_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-001

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31	12:24:53
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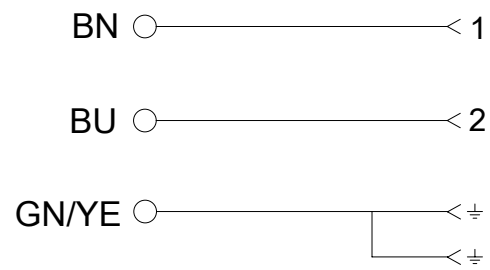
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	DIMENSION UNITS	SCALE				
	mm	1:1				
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 603741 DRWN: APAWLAK01 2018/07/13 CHK'D: RSILLER 2018/08/31 APPR: RSILLER 2018/08/31		STANDARD E452 DIN FORM A EN 175301-803	
	ANGULAR TOL	± °				
	4 PLACES	±				
	3 PLACES	±				
	2 PLACES	±	INITIAL REVISION: DRWN: APAWLAK01 2018/07/13 APPR: RSILLER 2018/08/31		PRODUCT CUSTOMER DRAWING	
	1 PLACE	±				
	0 PLACES	±				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER
				A3-SIZE	121050	2 OF 3

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210502000	PSD	000	A

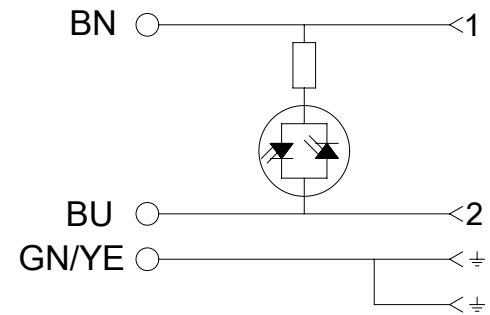
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE 1210502000_PDP	GENERAL MARKET	2 OF 3

WIRING DIAGRAMS

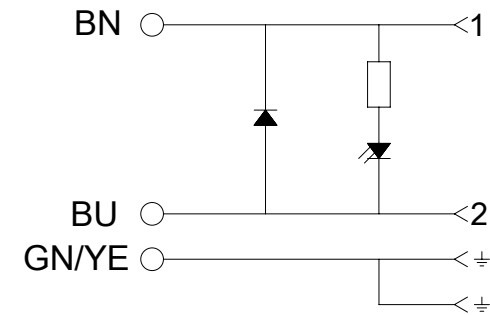
ELECTRICAL DIAGRAM 00



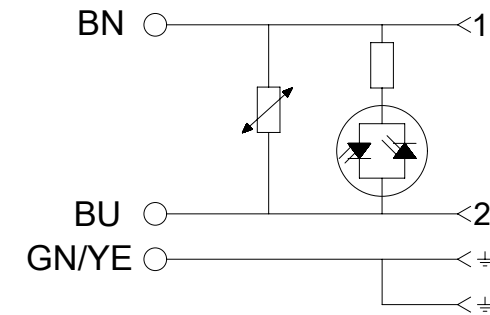
ELECTRICAL DIAGRAM A1



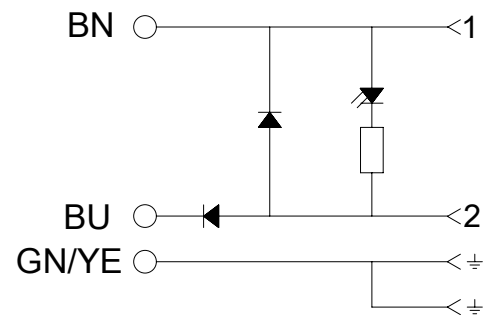
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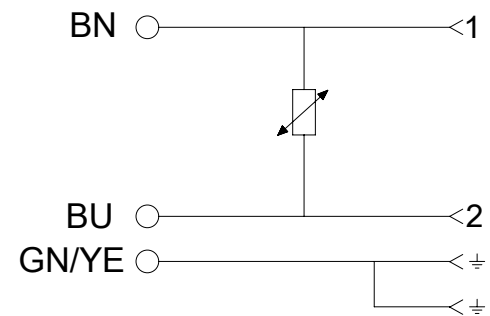
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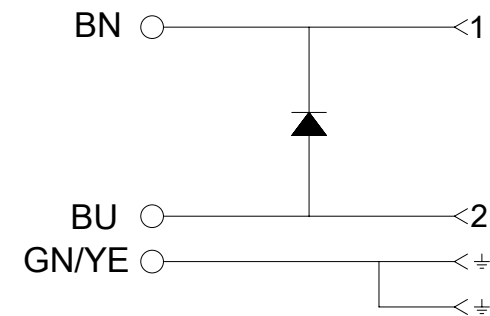
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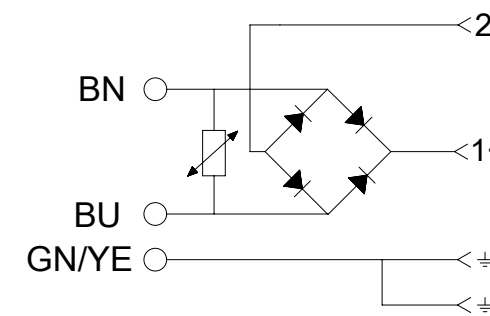
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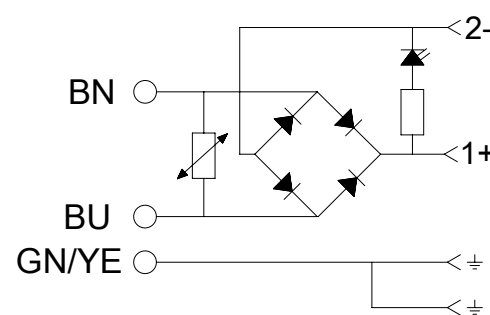
ELECTRICAL DIAGRAM E0



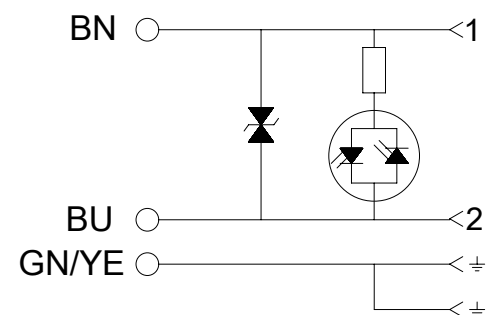
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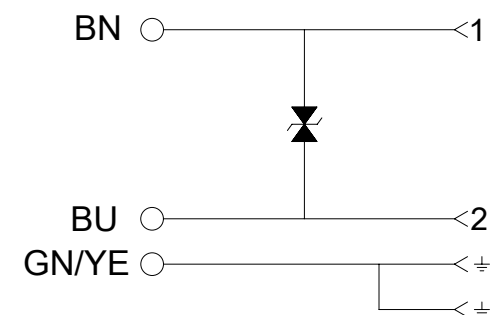
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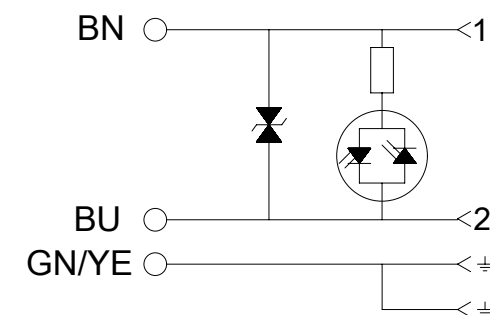
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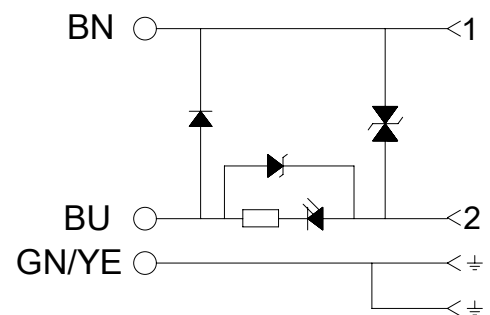
ELECTRICAL DIAGRAM S1



ELECTRICAL DIAGRAM S3

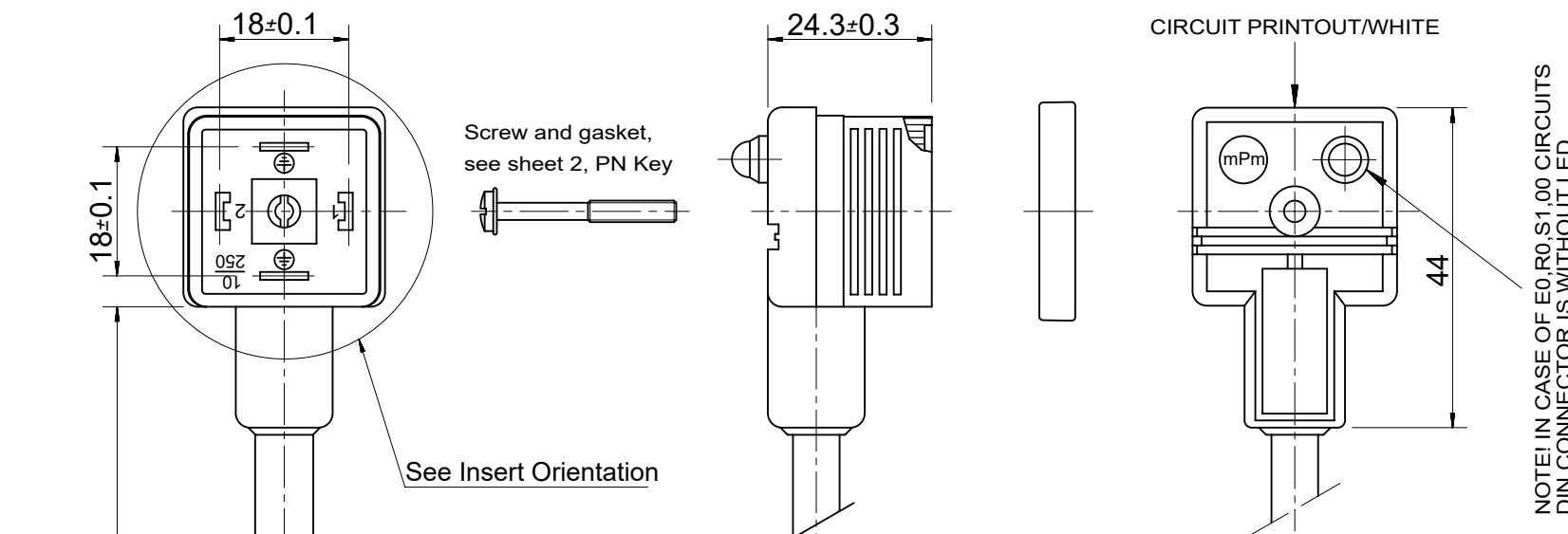


ELECTRICAL DIAGRAM NS



Technical Spec:
Supply Voltage: See PN KEY
Max. current: 5A; A1-C4-S0
1,5A; R2
Contact Resistance: ≤15milliohms max.
Operating Temperature:
with NBR Gasket: -40°C +90°C
with Silicone: -40°C +125°C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
SYMBOLS	DIMENSION UNITS		SCALE	CURRENT REV DESC:				molex				
	mm		1:1									
FA = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 603741 DRWN: APAWLAK01 2018/07/13 CHK'D: RSILLER 2018/08/31 APPR: RSILLER 2018/08/31				STANDARD E452 DIN FORM A EN 175301-803				
FE = 0												
FE = 0												
FS = 0	ANGULAR TOL ± °			INITIAL REVISION: DRWN: APAWLAK01 2018/07/13 APPR: RSILLER 2018/08/31				PRODUCT CUSTOMER DRAWING				
FT = 0	4 PLACES		±									
FT = 0	3 PLACES		±									
FC = 0	2 PLACES			DOCUMENT NUMBER 1210502000				DOC TYPE PSD	DOC PART 000	REVISION A		
FX = 0	1 PLACE		±									
FX = 0	0 PLACES		±									
FF = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 121050	MATERIAL NUMBER SEE 1210502000_PDP		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 3	
FT = 0												



DOUBLE EARTH ON 6H & 12H E452XXXXXX1XXXX	EARTH PIN ON 12H E452XXXXXX2XXXX	EARTH PIN ON 6H E452XXXXXX6XXXX
DOUBLE EARTH ON 3H & 9H E452XXXXXX4XXXX	EARTH PIN ON 3H E452XXXXXX3XXXX	EARTH PIN ON 9H E452XXXXXX9XXXX

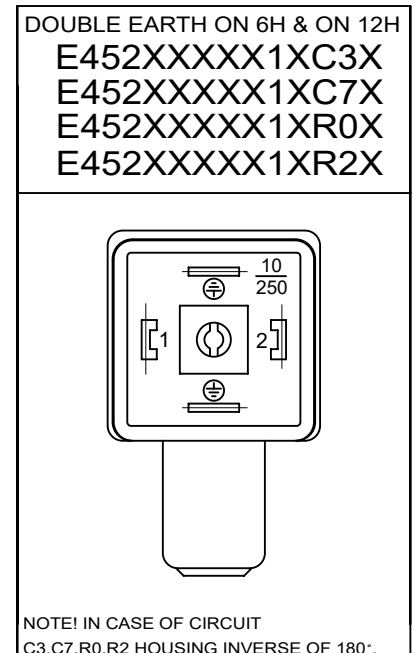
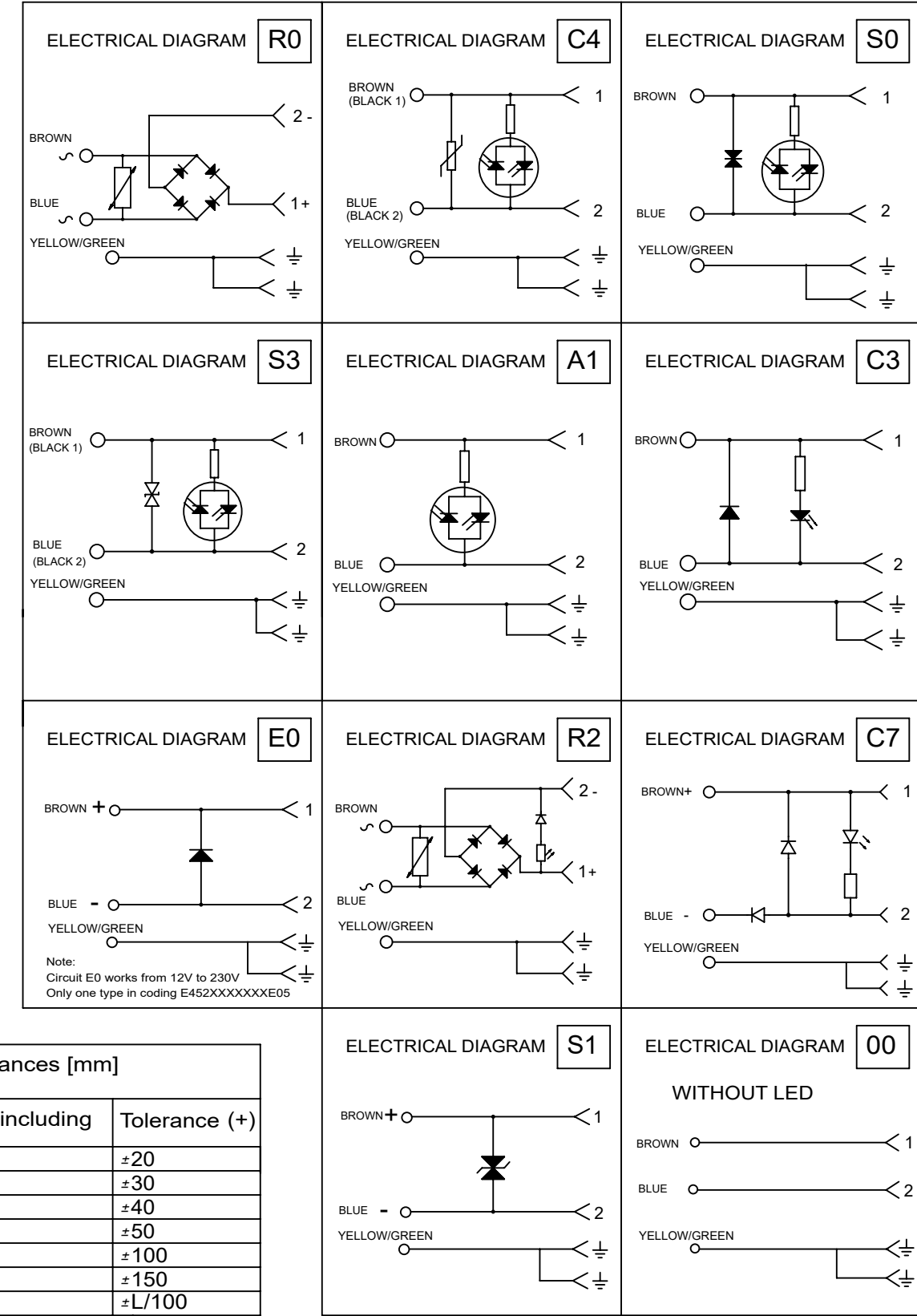


Table of length tolerances [mm]		
Over	Up to and including	Tolerance (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

WIRING CONFIGURATION



NOTES:
1. FOR HARNESS WITH GROUND ONLY IN:
3H,6H,9H or 12H PIN 3 IS N/C.



FORMAT: Met-lega-master-ib-prod-A3 REVISION: 1 DATE: 20210501	9	8	7	6	5	4	3	2	1
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TABLE 2 - CABLES

Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors
1210180384	R	3	3	0.75 mm²	TPR HAL. FREE	Black	6.5±0.2	BN, BU, GN/YE
1210180094	T	3	3	0.75 mm²	PUR CSA/UL 20668	Yellow	6.5±0.2	BN, BU, GN/YE
1210180309	Y	3	3	0.75 mm²	SILICONE RUBBER	Red	6.5±0.2	BN, BU, GN/YE
1210180081	F	4	3	1 mm²	PVC CNOMO	Grey	7.1+0.2/-0	BK1, BK2, GN/YE
1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU
1210180079	I	4	3	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU, GN/YE
1210180036	N	4	2	1 mm²	PVC H05VV-F	Black	6.5±0.2	BN, BU
1210180082	N	4	3	1 mm²	PVC H05VV-F	Black	6.9±0.2	BN, BU, GN/YE
1210180117	R	4	3	1 mm²	TPR HAL. FREE	Black	7.1±0.2	BN, BU, GN/YE
1210180085	N	5	3	1.5 mm²	PVC H05VV-F	Black	7.9±0.2	BN, BU, GN/YE
1210180313	I	6	2	0.35 mm²	PVC CEI 2011	Grey	4.8±0.2	BN, WH
1210180149	I	9	4	0.75 mm²	PVC CEI 2022 II	Grey	7.3±0.2	BN, BU, BK, GN/YE

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

9	8	7	6	5	4	3	2	1
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9	8	7	6	5	4	3	2	1
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Pos.	Molex PN:	Engineering No.:
1	1210400514	E452N3N10012000
2	N/A	N/A
3	N/A	N/A
4	1210400517	E452P3N10012000
5	N/A	N/A
6	1210400755	E452N3N2001P000
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	N/A	N/A
13	N/A	N/A
14	1210400901	E452N3N13K12000
15	N/A	N/A
16	N/A	N/A
17	N/A	N/A
18	1210401242	W452N3N50012000
19	1210401265	W452N3N30012000
20	N/A	N/A
21	N/A	N/A
22	1210500295	E452A3A10011C42
23	1210500297	E452A3A30011C44
24	1210500298	E452A3A30011C4H
25	N/A	N/A
26	1210500301	E452A3A30012C4H
27	N/A	N/A
28	1210500311	E452B3A30012C4H
29	1210500312	E452B3A30012C4L
30	1210500313	E452B3A50012C4H
31	N/A	N/A
32	1210500339	E452F4N10K11S3B
33	1210500344	E452F4N20011S3B
34	1210500352	E452F4N50011S3B
35	N/A	N/A
36	N/A	N/A
37	N/A	N/A
38	N/A	N/A
39	1210500385	E452I2N20011C4H
40	N/A	N/A

Pos.	Molex PN:	Engineering No.:
41	N/A	N/A
42	N/A	N/A
43	1210500392	E452I2N30011C4H
44	N/A	N/A
45	1210500394	E452I2N30011C4M
46	N/A	N/A
47	1210500399	E452I2N50011C4H
48	N/A	N/A
49	N/A	N/A
50	1210500414	E452I4G40011C4H
51	N/A	N/A
52	1210500424	E452I4N10011C42
53	1210500428	E452I4N10011C4H
54	1210500434	E452I4N10K11C4H
55	N/A	N/A
56	1210500443	E452I4N15K11C4H
57	1210500448	E452I4N20011C3H
58	N/A	N/A
59	N/A	N/A
60	N/A	N/A
61	1210500467	E452I4N30011C3H
62	1210500468	E452I4N30011C42
63	N/A	N/A
64	1210500473	E452I4N30011C4H
65	1210500474	E452I4N30011C4L
66	N/A	N/A
67	1210500478	E452I4N30011R2H
68	N/A	N/A
69	N/A	N/A
70	N/A	N/A
71	N/A	N/A
72	N/A	N/A
73	N/A	N/A
74	1210500498	E452I4N50011C3H
75	N/A	N/A
76	1210500504	E452I4N50011C4H
77	N/A	N/A
78	N/A	N/A
79	N/A	N/A
80	N/A	N/A

Pos.	Molex PN:	Engineering No.:
81	N/A	N/A
82	N/A	N/A
83	N/A	N/A
84	N/A	N/A
85	N/A	N/A
86	N/A	N/A
87	1210500549	E452N3N10011C42
88	N/A	N/A
89	N/A	N/A
90	1210500554	E452N3N10011C4H
91	N/A	N/A
92	1210500558	E452N3N10012C4H
93	1210500559	E452N3N10012C4L
94	1210500560	E452N3N10022C4L
95	1210500562	E452N3N10K11C42
96	N/A	N/A
97	N/A	N/A
98	1210500575	E452N3N10K12C4H
99	1210500576	E452N3N10K12C4L
100	1210500582	E452N3N15011A11
101	1210500583	E452N3N15011A12
102	N/A	N/A
103	1210500585	E452N3N15011C32
104	N/A	N/A
105	N/A	N/A
106	N/A	N/A
107	N/A	N/A
108	1210500602	E452N3N20011A12
109	N/A	N/A
110	N/A	N/A
111	1210500612	E452N3N20011C42
112	1210500620	E452N3N20011C4H
113	N/A	N/A
114	1210500624	E452N3N20011R05
115	N/A	N/A
116	N/A	N/A
117	N/A	N/A
118	N/A	N/A
119	N/A	N/A
120	N/A	N/A

Pos.	Molex PN:	Engineering No.:
121	1210500650	E452N3N30011C42
122	N/A	N/A
123	N/A	N/A
124	1210500657	E452N3N30011C4H
125	N/A	N/A
126	1210500659	E452N3N30011C4M
127	N/A	N/A
128	N/A	N/A
129	1210500673	E452N3N30012C4H
130	1210500674	E452N3N30012C4L
131	N/A	N/A
132	N/A	N/A
133	N/A	N/A
134	N/A	N/A
135	N/A	N/A
136	N/A	N/A
137	1210500696	E452N3N50011A1B
138	1210500702	E452N3N50011C42
139	1210500703	E452N3N50011C44
140	1210500705	E452N3N50011C4B
141	1210500707	E452N3N50011C4D
142	1210500708	E452N3N50011C4E
143	1210500709	E452N3N50011C4H
144	N/A	N/A
145	N/A	N/A
146	N/A	N/A
147	N/A	N/A
148	1210500715	E452N3N50012C4H
149	1210500716	E452N3N50012C4L
150	N/A	N/A
151	N/A	N/A
152	1210500735	E452P2N07511C32
153	1210500737	E452P2N10011C4H
154	1210500739	E452P2N10K11C4H
155	N/A	N/A
156	N/A	N/A
157	N/A	N/A
158	1210500748	E452P2N20011C4H
159	N/A	N/A
160	N/A	N/A

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183		molex E452XXXXXXXXXX DIN FORM A EN 175301-803			
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)						PRODUCT CUSTOMER DRAWING			
	MM	INCH							
4 PLACES	±	±		EC NO: 826028					
3 PLACES	±	±		DRWN: SANATK1					
2 PLACES	±	±		2025/05/06					
1 PLACE	±	±		CHK'D: GGA					
0 PLACES	±	±		2025/06/30					
				APPR: GGA					
				2025/06/30					
ANGULAR TOL ± °				INITIAL REVISION:		DOCUMENT NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: JMARSZALEK		SD-121050-001			
				APPR: MDYSZEWSKA		DOC TYPE PSD			
				FIRST ANGLE PROJECTION		DOC PART 001			
				DRAWING		REVISION E2			
				SERIES		SHEET NUMBER			
				A3-SIZE		4 OF 28			
				121050					
				SEE TABLE					
				GENERAL MARKET					

Pos.	Molex PN:	Engineering No.:
601	N/A	N/A
602	N/A	N/A
603	N/A	N/A
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617	N/A	N/A
618	1210503498	E452B2A3001PC4H
619	N/A	N/A
620	N/A	N/A
621	1210503507	E452B2A3001PC4L
622	N/A	N/A
623	N/A	N/A
624	N/A	N/A
625	1210503512	E452N3N10K1PC4H
626	1210503517	E452N2N1501PS0H
627	N/A	N/A
628	N/A	N/A
629	N/A	N/A
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632	N/A	N/A
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639	N/A	N/A
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FORMAT: Met-legal
REVISION: E1
DATE: 2021/05/01

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<table><tr><td colspan="11">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="2">DIMENSION UNITS</td><td colspan="2">SCALE</td><td colspan="5" rowspan="4">CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183</td><td colspan="2" rowspan="4"> molex E452XXXXXXXXXX DIN FORM A EN 175301-803 </td></tr><tr><td colspan="2">mm</td><td colspan="2">NTS</td></tr><tr><td colspan="4">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr><tr><td></td><td>MM</td><td colspan="2">INCH</td></tr><tr><td>4 PLACES</td><td>±</td><td></td><td>±</td><td colspan="5" rowspan="4">EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30</td><td colspan="3" rowspan="4">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>3 PLACES</td><td>±</td><td></td><td>±</td></tr><tr><td>2 PLACES</td><td>±</td><td></td><td>±</td></tr><tr><td>1 PLACE</td><td>±</td><td></td><td>±</td></tr><tr><td>0 PLACES</td><td>±</td><td></td><td>±</td><td colspan="5">INITIAL REVISION:</td><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="4">ANGULAR TOL ± °</td><td colspan="5">DRWN: JMARSZALEK 2012/08/27 APPR: MDYSZEWSKA 2012/08/20</td><td colspan="2">SD-121050-001</td><td>PSD</td><td>001</td><td>E2</td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">FIRST ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td>MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td colspan="3">SHEET NUMBER</td></tr><tr><td colspan="4"></td><td colspan="2"></td><td>A3-SIZE</td><td>121050</td><td>SEE TABLE</td><td colspan="2">GENERAL MARKET</td><td colspan="3">8 OF 28</td></tr></table>											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					molex E452XXXXXXXXXX DIN FORM A EN 175301-803		mm		NTS		GENERAL TOLERANCES (UNLESS SPECIFIED)					MM	INCH		4 PLACES	±		±	EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30					PRODUCT CUSTOMER DRAWING			3 PLACES	±		±	2 PLACES	±		±	1 PLACE	±		±	0 PLACES	±		±	INITIAL REVISION:					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	ANGULAR TOL ± °				DRWN: JMARSZALEK 2012/08/27 APPR: MDYSZEWSKA 2012/08/20					SD-121050-001		PSD	001	E2	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER									A3-SIZE	121050	SEE TABLE	GENERAL MARKET		8 OF 28		
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						A3-SIZE	121050	SEE TABLE	GENERAL MARKET		8 OF 28																																																																																																																	

	10	9	8	7	6	5	4	3	2	1	
F	TABLE 3 - PART LIST										F
E		Pos.	Molex PN:	Engineering No.:							
		1161	N/A	N/A							
		1162	N/A	N/A							
		1163	N/A	N/A							
		1164	N/A	N/A							
		1165	N/A	N/A							
		1166	N/A	N/A							
		1167	N/A	N/A							
		1168	N/A	N/A							
		1169	N/A	N/A							
		1170	N/A	N/A							
D		1171	N/A	N/A							
		1172	N/A	N/A							
		1173	N/A	N/A							
		1174	N/A	N/A							
		1175	N/A	N/A							
		1176	N/A	N/A							
		1177	N/A	N/A							
		1178	N/A	N/A							
		1179	N/A	N/A							
		1180	N/A	N/A							
		1181	N/A	N/A							
C		1182	N/A	N/A							
		1183	N/A	N/A							
		1184	N/A	N/A							
		1185	N/A	N/A							
		1186	N/A	N/A							
		1187	N/A	N/A							
		1188	N/A	N/A							
		1189	N/A	N/A							
		1190	N/A	N/A							
		1191	2210501600	E452A3A10011C32							
B		1192	N/A	N/A							
		1193	N/A	N/A							
		1194	N/A	N/A							
		1195	N/A	N/A							
		1196	N/A	N/A							
		1197	N/A	N/A							
		1198	N/A	N/A							
		1199	N/A	N/A							
		1200	N/A	N/A							
A											
	DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42						
	9	8	7	6	5	4	3	2	1		

TABLE 3 - PART LIST

Pos.	Molex PN:	Engineering No.:
1161	N/A	N/A
1162	N/A	N/A
1163	N/A	N/A
1164	N/A	N/A
1165	N/A	N/A
1166	N/A	N/A
1167	N/A	N/A
1168	N/A	N/A
1169	N/A	N/A
1170	N/A	N/A
1171	N/A	N/A
1172	N/A	N/A
1173	N/A	N/A
1174	N/A	N/A
1175	N/A	N/A
1176	N/A	N/A
1177	N/A	N/A
1178	N/A	N/A
1179	N/A	N/A
1180	N/A	N/A
1181	N/A	N/A
1182	N/A	N/A
1183	N/A	N/A
1184	N/A	N/A
1185	N/A	N/A
1186	N/A	N/A
1187	N/A	N/A
1188	N/A	N/A
1189	N/A	N/A
1190	N/A	N/A
1191	2210501600	E452A3A10011C32
1192	N/A	N/A
1193	N/A	N/A
1194	N/A	N/A
1195	N/A	N/A
1196	N/A	N/A
1197	N/A	N/A
1198	N/A	N/A
1199	N/A	N/A
1200	N/A	N/A

Pos.	Molex PN:	Engineering No.:
1281	N/A	N/A
1282	N/A	N/A
1283	N/A	N/A
1284	N/A	N/A
1285	N/A	N/A
1286	N/A	N/A
1287	N/A	N/A
1288	N/A	N/A
1289	N/A	N/A
1290	N/A	N/A
1291	N/A	N/A
1292	N/A	N/A
1293	N/A	N/A
1294	N/A	N/A
1295	N/A	N/A
1296	N/A	N/A
1297	N/A	N/A
1298	N/A	N/A
1299	N/A	N/A
1300	N/A	N/A
1301	N/A	N/A
1302	N/A	N/A
1303	N/A	N/A
1304	N/A	N/A
1305	N/A	N/A
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1307	2210501730	E452A3A10K11C4H
1308	N/A	N/A
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1310	N/A	N/A
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1312	N/A	N/A
1313	N/A	N/A
1314	N/A	N/A
1315	N/A	N/A
1316	N/A	N/A
1317	N/A	N/A
1318	N/A	N/A
1319	N/A	N/A
1320	N/A	N/A

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DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	±	°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS



CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183

EC NO: 826028

DRWN: SANATK1

CHK'D: GGA

APPR: GGA

2025/05/06

2025/06/30

2025/06/30

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: MDYSZEWSKA

2012/08/27

2012/08/20

DOCUMENT NUMBER

SD-121050-001

DOC TYPE

PSD

DOC PART

001

REVISION

E2

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

9 OF 28

PRODUCT CUSTOMER DRAWING

molex

E452XXXXXXXXXX

DIN FORM A EN 175301-803

DOCUMENT STATUS

P1

RELEASE DATE

2025/06/30

13:30:42

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FORMAT: Met-lega-master-ib-prod-A3

REVISION: E1

DATE: 2021/05/01

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8

7

6

5

4

3

2

1

	10	9	8	7	6	5	4	3	2	1		
F	TABLE 3 - PART LIST										F	
E	Pos.	Molex PN:	Engineering No.:								E	
	1641	N/A	N/A									
	1642	N/A	N/A									
	1643	N/A	N/A									
	1644	N/A	N/A									
	1645	N/A	N/A									
	1646	N/A	N/A									
	1647	N/A	N/A									
	1648	N/A	N/A									
	1649	N/A	N/A									
D	1650	N/A	N/A									
	1651	N/A	N/A									
	1652	N/A	N/A									
	1653	N/A	N/A									
	1654	N/A	N/A									
	1655	N/A	N/A									
	1656	N/A	N/A									
	1657	N/A	N/A									
	1658	N/A	N/A									
	1659	N/A	N/A									
C	1660	N/A	N/A									
	1661	N/A	N/A									
	1662	2210502141	E452A3A50011C4H									
	1663	N/A	N/A									
	1664	2210502143	E452A3A50011C4L									
	1665	2210502144	E452A3A50011C4M									
	1666	N/A	N/A									
	1667	N/A	N/A									
	1668	N/A	N/A									
	1669	N/A	N/A									
B	1670	N/A	N/A									
	1671	N/A	N/A									
	1672	N/A	N/A									
	1673	N/A	N/A									
	1674	N/A	N/A									
	1675	N/A	N/A									
	1676	N/A	N/A									
	1677	N/A	N/A									
	1678	N/A	N/A									
	1679	N/A	N/A									
A	1680	N/A	N/A									
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183				molex				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
		MM	INCH	EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30				E452XXXXXXXXXX DIN FORM A EN 175301-803				
4 PLACES	±		±									
3 PLACES	±		±									
2 PLACES	±		±									
1 PLACE	±		±	INITIAL REVISION: DRWN: JMARSZALEK 2012/08/27 APPR: MDYSZEWSKA 2012/08/20				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES	±		±					SD-121050-001		PSD	001	E2
ANGULAR TOL		±	°	FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A3-SIZE	121050	SEE TABLE	GENERAL MARKET	11 OF 28				
DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42								
FORMAT: Met-lega-master-ib-prod-A3 REVISION: E1 DATE: 2021/05/01	9	8	7	6	5	4	3	2	1			

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C											C
B											B
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mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
	MM	INCH										
4 PLACES	±		±	EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30				PRODUCT CUSTOMER DRAWING				
3 PLACES	±		±									
2 PLACES	±		±									
1 PLACE	±		±									
0 PLACES	±		±	INITIAL REVISION: DRWN: JMARSZALEK 2012/08/27 APPR: MDYSZEWSKA 2012/08/20				DOCUMENT NUMBER SD-121050-001		DOC TYPE PSD	DOC PART 001	REVISION E2
ANGULAR TOL ± °				FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3-SIZE	121050	SEE TABLE	GENERAL MARKET		19 OF 28	

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42							
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FORMAT: Molex-master-ib-prod-A3
REVISION: E1
DATE: 2021/05/01

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4124	N/A	N/A
4125	N/A	N/A
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4140	N/A	N/A
4141	N/A	N/A
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4155	N/A	N/A
4156	2210505126	E452N2N30011C41
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4158	N/A	N/A
4159	N/A	N/A
4160	N/A	N/A

TABLE 3 - PART LIST

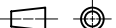
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4168	N/A	N/A
4169	N/A	N/A
4170	N/A	N/A
4171	N/A	N/A
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Pos.	Molex PN:	Engineering No.:
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4202	N/A	N/A
4203	N/A	N/A
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4222	N/A	N/A
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Pos.	Molex PN:	Engineering No.:
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4277	N/A	N/A
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4280	N/A	N/A

Pos.	Molex PN:	Engineering No.:
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4287	N/A	N/A
4288	N/A	N/A
4289	N/A	N/A
4290	N/A	N/A
4291	2210505307	E452N3N10011A1G
4292	N/A	N/A
4293	N/A	N/A
4294	N/A	N/A
4295	N/A	N/A
4296	N/A	N/A
4297	N/A	N/A
4298	N/A	N/A
4299	N/A	N/A
4300	N/A	N/A
4301	N/A	N/A
4302	N/A	N/A
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4305	N/A	N/A
4306	N/A	N/A
4307	N/A	N/A
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DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42
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mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
										MM		INCH			
										±		±			
4 PLACES		±		±		EC NO: 826028									
3 PLACES		±		±		DRWN: SANATK12025/05/06									
2 PLACES		±		±		CHK'D: GGA2025/06/30									
1 PLACE		±		±		APPR: GGA2025/06/30									
0 PLACES		±		±		INITIAL REVISION:									
ANGULAR TOL ± °						DRWN: JMARSZALEK2012/08/27									
						APPR: MDYSZEWSKA2012/08/27									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
										SD-121050-001		PSD	001	E2	
						A3-SIZE		121050		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
										SEE TABLE		GENERAL MARKET		20 OF 28	

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Pos.	Molex PN:	Engineering No.:
5241	N/A	N/A
5242	N/A	N/A
5243	N/A	N/A
5244	N/A	N/A
5245	N/A	N/A
5246	N/A	N/A
5247	N/A	N/A
5248	N/A	N/A
5249	N/A	N/A
5250	N/A	N/A
5251	N/A	N/A
5252	N/A	N/A
5253	N/A	N/A
5254	N/A	N/A
5255	N/A	N/A
5256	N/A	N/A
5257	N/A	N/A
5258	2210506638	E452P2N10K11C3B
5259	N/A	N/A
5260	N/A	N/A
5261	N/A	N/A
5262	N/A	N/A
5263	N/A	N/A
5264	N/A	N/A
5265	N/A	N/A
5266	N/A	N/A
5267	N/A	N/A
5268	N/A	N/A
5269	N/A	N/A
5270	N/A	N/A
5271	N/A	N/A
5272	N/A	N/A
5273	N/A	N/A
5274	N/A	N/A
5275	N/A	N/A
5276	N/A	N/A
5277	N/A	N/A
5278	N/A	N/A
5279	N/A	N/A
5280	N/A	N/A

	10	9	8	7	6	5	4	3	2	1	
F	TABLE 3 - PART LIST										F
E											E
D											D
C											C
B											B
A											A

Pos.	Molex PN:	Engineering No.:
5521	N/A	N/A
5522	N/A	N/A
5523	N/A	N/A
5524	N/A	N/A
5525	N/A	N/A
5526	N/A	N/A
5527	2210507019	E452P2N30011S04
5528	N/A	N/A
5529	N/A	N/A
5530	N/A	N/A
5531	N/A	N/A
5532	N/A	N/A
5533	N/A	N/A
5534	N/A	N/A
5535	N/A	N/A
5536	N/A	N/A
5537	N/A	N/A
5538	N/A	N/A
5539	N/A	N/A
5540	N/A	N/A
5541	N/A	N/A
5542	N/A	N/A
5543	N/A	N/A
5544	N/A	N/A
5545	N/A	N/A
5546	N/A	N/A
5547	N/A	N/A
5548	N/A	N/A
5549	N/A	N/A
5550	N/A	N/A
5551	N/A	N/A
5552	N/A	N/A
5553	N/A	N/A
5554	N/A	N/A
5555	N/A	N/A
5556	N/A	N/A
5557	N/A	N/A
5558	N/A	N/A
5559	N/A	N/A
5560	N/A	N/A

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183			molex					
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
		MM	INCH	EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30			PRODUCT CUSTOMER DRAWING					
4 PLACES	±		±									
3 PLACES	±		±									
2 PLACES	±		±									
1 PLACE	±		±									
0 PLACES	±		±	INITIAL REVISION:			DOCUMENT NUMBER					
ANGULAR TOL ± °				DRWN: JMARSZALEK 2012/08/27			SD-121050-001					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
						A3-SIZE		121050		SEE TABLE	GENERAL MARKET	25 OF 28

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42							
	9		8		7	6	5	4	3	2	1

FORMAT: Mxl-lega-master-ib-prod-A3
REVISION: E1
DATE: 2021/05/01

Pos.	Molex PN:	Engineering No.:
5921	N/A	N/A
5922	2210507554	E452P3N30011A1H
5923	N/A	N/A
5924	N/A	N/A
5925	N/A	N/A
5926	2210507558	E452P3N30011C31
5927	N/A	N/A
5928	N/A	N/A
5929	N/A	N/A
5930	N/A	N/A
5931	N/A	N/A
5932	N/A	N/A
5933	N/A	N/A
5934	N/A	N/A
5935	N/A	N/A
5936	N/A	N/A
5937	N/A	N/A
5938	N/A	N/A
5939	N/A	N/A
5940	N/A	N/A
5941	N/A	N/A
5942	N/A	N/A
5943	N/A	N/A
5944	N/A	N/A
5945	N/A	N/A
5946	2210507578	E452P3N30011C4B
5947	N/A	N/A
5948	N/A	N/A
5949	N/A	N/A
5950	N/A	N/A
5951	N/A	N/A
5952	N/A	N/A
5953	N/A	N/A
5954	N/A	N/A
5955	N/A	N/A
5956	N/A	N/A
5957	N/A	N/A
5958	N/A	N/A
5959	N/A	N/A
5960	N/A	N/A

Pos.	Molex PN:	Engineering No.:
5961	N/A	N/A
5962	N/A	N/A
5963	N/A	N/A
5964	N/A	N/A
5965	N/A	N/A
5966	N/A	N/A
5967	N/A	N/A
5968	N/A	N/A
5969	2210507629	E452P3N30011R2M
5970	N/A	N/A
5971	2210507631	E452P3N30011S02
5972	N/A	N/A
5973	N/A	N/A
5974	N/A	N/A
5975	N/A	N/A
5976	N/A	N/A
5977	N/A	N/A
5978	N/A	N/A
5979	N/A	N/A
5980	N/A	N/A
5981	N/A	N/A
5982	N/A	N/A
5983	N/A	N/A
5984	N/A	N/A
5985	N/A	N/A
5986	N/A	N/A
5987	N/A	N/A
5988	N/A	N/A
5989	N/A	N/A
5990	N/A	N/A
5991	N/A	N/A
5992	N/A	N/A
5993	N/A	N/A
5994	N/A	N/A
5995	N/A	N/A
5996	N/A	N/A
5997	N/A	N/A
5998	N/A	N/A
5999	2210507659	E452P3N50011C32
6000	N/A	N/A

Pos.	Molex PN:	Engineering No.:
6001	N/A	N/A
6002	N/A	N/A
6003	N/A	N/A
6004	N/A	N/A
6005	N/A	N/A
6006	N/A	N/A
6007	N/A	N/A
6008	N/A	N/A
6009	N/A	N/A
6010	N/A	N/A
6011	N/A	N/A
6012	N/A	N/A
6013	N/A	N/A
6014	N/A	N/A
6015	N/A	N/A
6016	N/A	N/A
6017	N/A	N/A
6018	N/A	N/A
6019	N/A	N/A
6020	N/A	N/A
6021	N/A	N/A
6022	N/A	N/A
6023	2210507683	E452P3N50011C4L
6024	N/A	N/A
6025	N/A	N/A
6026	N/A	N/A
6027	N/A	N/A
6028	N/A	N/A
6029	N/A	N/A
6030	N/A	N/A
6031	N/A	N/A
6032	N/A	N/A
6033	N/A	N/A
6034	N/A	N/A
6035	N/A	N/A
6036	N/A	N/A
6037	N/A	N/A
6038	N/A	N/A
6039	N/A	N/A
6040	N/A	N/A

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183		molex E452XXXXXXXXXX DIN FORM A EN 175301-803									
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-121050-001 MATERIAL NUMBER SEE TABLE DRAWING A3-SIZE SERIES 121050 CUSTOMER GENERAL MARKET SHEET NUMBER 28 OF 28											
4 PLACES		±								EC NO: 826028		2025/05/06			
3 PLACES		±								DRWN: SANATK1					
2 PLACES		±								CHK'D: GGA					
1 PLACE		±								APPR: GGA		2025/06/30		2025/06/30	
0 PLACES		±		INITIAL REVISION:		2012/08/27		2012/08/20							
ANGULAR TOL ± °				DRWN: JMARSZALEK		2012/08/27		DOC TYPE							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: MDYSZEWSKA		2012/08/20		PSD							
				FIRST ANGLE PROJECTION				001							
								E2							