



Pushing Performance  
Since 1945

# M23 P Hybrid 4+4+3+PE Female-C



Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 15 612 3101                                                                |
| Specification      | M23 P Hybrid 4+4+3+PE Female-C                                                |
| HARTING eCatalogue | <a href="https://harting.com/09156123101">https://harting.com/09156123101</a> |

## Identification

|                |                         |
|----------------|-------------------------|
| Category       | Inserts                 |
| Series         | Circular connectors M23 |
| Identification | Hybrid                  |
| Element        | Inserts                 |

## Version

|                            |                                         |
|----------------------------|-----------------------------------------|
| Termination method         | Crimp termination                       |
| Gender                     | Female                                  |
| Number of contacts         | 12                                      |
| Number of data contacts    | 4                                       |
| Number of signal contacts  | 4                                       |
| Number of power contacts   | 3                                       |
| Number of special contacts | 1x PE contact                           |
| Details                    | Please order crimp contacts separately. |
|                            | 4x 2 mm                                 |
|                            | 4x 1 mm                                 |
|                            | 4x 0.6 mm                               |

## Technical characteristics

|                              |                            |
|------------------------------|----------------------------|
| Conductor cross-section      | 0.08 ... 4 mm <sup>2</sup> |
| Rated current (data)         | 2 A                        |
| Rated voltage (data)         | 60 V                       |
| Rated impulse voltage (data) | 0.5 kV                     |
| Pollution degree (data)      | 3                          |



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## Technical characteristics

|                                |                 |
|--------------------------------|-----------------|
| Rated current (signal)         | 8 A             |
| Rated voltage (signal)         | 300 V           |
| Rated impulse voltage (signal) | 2.5 kV          |
| Pollution degree (signal)      | 3               |
| Rated current (power)          | 28 A            |
| Rated voltage (power)          | 600 V           |
| Rated impulse voltage (power)  | 4 kV            |
| Pollution degree (power)       | 3               |
| Limiting temperature           | -40 ... +125 °C |
| Mating cycles                  | ≥500            |
| Test voltage $U_{r.m.s.}$      | 4 kV            |

## Material properties

|                                           |                                     |
|-------------------------------------------|-------------------------------------|
| Material (insert)                         | Polyamide (PA)                      |
| Colour (insert)                           | Blue                                |
| Material flammability class acc. to UL 94 | V-0                                 |
| RoHS                                      | compliant                           |
| ELV status                                | compliant                           |
| China RoHS                                | e                                   |
| REACH Annex XVII substances               | Not contained                       |
| REACH ANNEX XIV substances                | Not contained                       |
| REACH SVHC substances                     | Not contained                       |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels        | R26                                 |

## Specifications and approvals

|          |                       |
|----------|-----------------------|
| UL / CSA | UL 1977 ECBT2.E235076 |
|----------|-----------------------|

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 5             |
| Net weight                     | 10.4 g        |
| Country of origin              | Germany       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140187450 |



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Commercial data

|             |                                                 |
|-------------|-------------------------------------------------|
| eCl@ss      | 27440223 Contact insert for circular connectors |
| ETIM        | EC003557                                        |
| UNSPSC 24.0 | 39121421                                        |