

**IE-PCB-M12X-S-90****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

|            |                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| Version    | PCB plug-in connector, M12, Solder connection, Cat.6A / Class EA (ISO/IEC 11801 2010), IP67, when screwed in, Reflow compatible |
| Order No.  | <a href="#">2168220000</a>                                                                                                      |
| Type       | IE-PCB-M12X-S-90                                                                                                                |
| GTIN (EAN) | 4050118427233                                                                                                                   |
| Qty.       | 10 items                                                                                                                        |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E316369

## Dimensions and weights

|                      |        |                      |        |
|----------------------|--------|----------------------|--------|
| Wall thickness, min. | 1 mm   | Wall thickness, max. | 2.5 mm |
| Net weight           | 0.01 g |                      |        |

## Temperatures

|                          |                       |                |
|--------------------------|-----------------------|----------------|
| Storage temperature      | Operating temperature | -40 °C...85 °C |
| Installation temperature |                       |                |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 67cf1078-beca-4687-860b-dc475a6ec24a |

## Technical data of PCB plug-in connector

|                   |                  |                       |                       |
|-------------------|------------------|-----------------------|-----------------------|
| Number of poles   | 8                | Coding                | X-coded               |
| Nominal voltage   | 48 V             | Protection degree     | IP67, when screwed in |
| Contact surface   | Gold over nickel | Housing main material | CuZn                  |
| Connection thread | M12              | Insulation resistance | 100 MΩ                |
| Plugging cycles   | ≥ 100            | Contact material      | Cu-alloy              |

## General Info

|                       |                          |                    |                                        |
|-----------------------|--------------------------|--------------------|----------------------------------------|
| Number of poles       | 8                        | Connection 1       | M12                                    |
| Connection 2          | Solder connection        | Composition        | Reflow compatible                      |
| Housing main material | CuZn                     | Category           | Cat.6A / Class EA (ISO/IEC 11801 2010) |
| Connection thread     | M12                      | Contact material   | Cu-alloy                               |
| Contact surface       | Gold over nickel         | Shielding material | CuSn                                   |
| Shielding             | 360° all-round enclosure | Protection degree  | IP67, when screwed in                  |
| Plugging cycles       | ≥ 100                    |                    |                                        |

## Important note

Notes

## Classifications

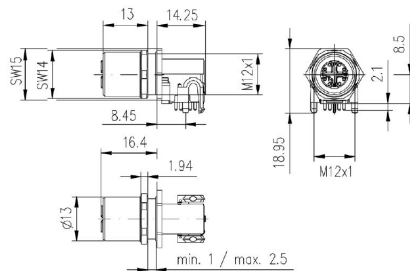
|            |             |             |             |
|------------|-------------|-------------|-------------|
| ETIM 6.0   | EC002638    | ETIM 7.0    | EC003568    |
| ETIM 8.0   | EC003568    | ETIM 9.0    | EC003568    |
| ETIM 10.0  | EC003568    | ECLASS 9.0  | 27-44-03-09 |
| ECLASS 9.1 | 27-44-03-09 | ECLASS 10.0 | 27-44-03-09 |

### Technical data

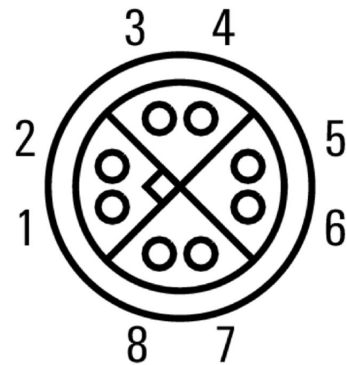
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ECLASS 11.0 | 27-44-01-10 | ECLASS 12.0 | 27-44-01-10 |
| ECLASS 13.0 | 27-44-01-10 | ECLASS 14.0 | 27-44-01-10 |
| ECLASS 15.0 | 27-44-01-10 |             |             |

## Drawings

### Dimensioned drawing



### Pinning



### Drilling template

