

**SAISP-4A-4/8-M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

**General ordering data**

|            |                                 |
|------------|---------------------------------|
| Version    | Field attachable connector, M12 |
| Order No.  | <a href="#">2681480000</a>      |
| Type       | SAISP-4A-4/8-M12                |
| GTIN (EAN) | 4050118759358                   |
| Qty.       | 1 items                         |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

## Dimensions and weights

|          |       |            |      |
|----------|-------|------------|------|
| Diameter | 19 mm | Net weight | 19 g |
|----------|-------|------------|------|

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

## Technical data customisable plug-in connectors

|                               |                      |                               |                      |
|-------------------------------|----------------------|-------------------------------|----------------------|
| Number of poles               | 4                    | Coding                        | A-coded              |
| Contact surface               | Ni/Au                | LED                           | No                   |
| Type of connection            | PUSH IN              | Housing main material         | PA 66                |
| Insulation resistance         | ≥ 100 MΩ             | Cable diameter, max.          | 8 mm                 |
| Cable diameter, min.          | 3 mm                 | Conductor cross-section, max. | 0.75 mm <sup>2</sup> |
| Conductor cross-section, min. | 0.14 mm <sup>2</sup> | Nominal voltage               | 250 V                |
| Nominal current               | 4 A                  | Protection degree             | IP67                 |
| Plugging cycles               | ≥ 100                | Pollution severity            | 3                    |
| Gender of contact             | Male                 | Shield connection             | No                   |
| Threaded ring material        | Diecast zinc         | Temperature range of housing  | -40 ... +85 °C       |

## General Info

|                                                                                         |                      |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|----------------------|
| Number of poles                                                                         | 4                    | Connection 1                                                                            | M12                  |
| Connection 2                                                                            | PUSH IN              | UL 94 flammability rating                                                               | V-0                  |
| Housing main material                                                                   | PA 66                | Connection thread                                                                       | M12                  |
| Contact surface                                                                         | Ni/Au                | Wire connection cross section, finely stranded, min.                                    | 0.14 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 0.75 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.08 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 0.5 mm <sup>2</sup>  | Wire cross-section, solid, min.                                                         | 0.14 mm <sup>2</sup> |
| Wire cross-section, solid, max.                                                         | 0.75 mm <sup>2</sup> | Protection degree                                                                       | IP67                 |
| Plugging cycles                                                                         | ≥ 100                |                                                                                         |                      |

## Standards

|                                        |                             |                                  |                |
|----------------------------------------|-----------------------------|----------------------------------|----------------|
| Connector standard                     | IEC 61076-2-101             | Fire safety for railway vehicles | DIN EN 45545-2 |
| Shock and vibration proof according to | EN 50155:2001, DIN EN 61373 |                                  |                |

## Classifications

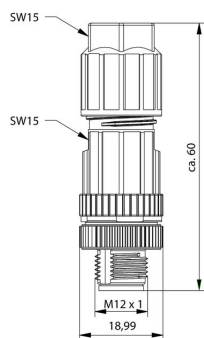
|           |          |             |             |
|-----------|----------|-------------|-------------|
| ETIM 8.0  | EC002635 | ETIM 9.0    | EC002635    |
| ETIM 10.0 | EC002635 | ECLASS 14.0 | 27-44-01-16 |

ECLASS 15.0

27-44-01-16

## Drawings

### Drawing



### Pole scheme

