

**SAI-8-SH 4P FC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Whereas the standard M12 system requires the sleeves to be laboriously screwed on and that operation is hindered by the vibration guard, M12 Push-Pull works with one click, just like those well-known garden hose systems. The audible locking function guarantees a safe and reliable connection as well as a good seal. The new SAI M12 Push-Pull distributors can be used with M12 plug-in connectors but also with the new M12 Push-Pull plug-in connectors.

**General ordering data**

|            |                                                                                              |
|------------|----------------------------------------------------------------------------------------------|
| Version    | with M23 outlet, 12-pole, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP |
| Order No.  | <a href="#">1859120000</a>                                                                   |
| Type       | SAI-8-SH 4P FC                                                                               |
| GTIN (EAN) | 4032248411078                                                                                |
| Qty.       | 1 pc(s).                                                                                     |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Height     | 34.3 mm | Height (inches) | 1.35 inch  |
| Width      | 54 mm   | Width (inches)  | 2.126 inch |
| Net weight | 286 g   |                 |            |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -25 - 80°C |
|-----------------------|------------|

## Connection data

|                            |        |                    |                          |
|----------------------------|--------|--------------------|--------------------------|
| Sheathing stripping length | 100 mm | Distributor outlet | with M23 outlet, 12-pole |
|----------------------------|--------|--------------------|--------------------------|

## Electrical data

|                                |      |                                         |                   |
|--------------------------------|------|-----------------------------------------|-------------------|
| Rated voltage, min.            | 10 V | Rated voltage, max.                     | 30 V              |
| Test voltage                   | 1 kV | Max. current-carrying capacity per slot | 4 A               |
| Total current                  | 9 A  | Current per signal                      | 2 A               |
| Electrical isolation available | No   | Insulation strength                     | 10 <sup>9</sup> Ω |

## General technical data

|                             |         |                                     |       |
|-----------------------------|---------|-------------------------------------|-------|
| Plug-in station coding      | A-coded | Protection degree                   | IP67  |
| Number of poles             | 4       | Number of contact sockets           | 8     |
| Connection thread           | M12     | Pollution severity                  | 3     |
| Fire behaviour              | V-0     | LED                                 | Yes   |
| LED initiator               | Yes     | LED colour for indicating operation | green |
| LED colour for I/O function | yellow  |                                     |       |

## Material data

|                          |                |                         |                    |
|--------------------------|----------------|-------------------------|--------------------|
| Housing main material    | PA 6 GF        | Material of distributor | Plastic            |
| Housing colour           | grey, RAL 7032 | Screw socket            | Nickel-plated CuZn |
| Contact material         | CuZn           | Contact surface         | Gold-plated        |
| Contact carrier material | PBT (UL 94 V0) |                         |                    |

## Technical data cable

|                 |   |                             |    |
|-----------------|---|-----------------------------|----|
| Number of poles | 4 | Suitable for cable carriers | No |
|-----------------|---|-----------------------------|----|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ETIM 8.0    | EC003558    | ETIM 9.0    | EC003558    |
| ECLASS 9.0  | 27-44-01-08 | ECLASS 9.1  | 27-44-01-08 |
| ECLASS 10.0 | 27-44-01-11 | ECLASS 11.0 | 27-44-01-11 |
| ECLASS 12.0 | 27-44-01-11 | ECLASS 13.0 | 27-44-01-11 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 22cbd99b-5f46-4c36-9938-bd61e241a9ab |

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**Technical data****Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E92202     |

**Downloads**

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>                                        |
| Catalogues       | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures        | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

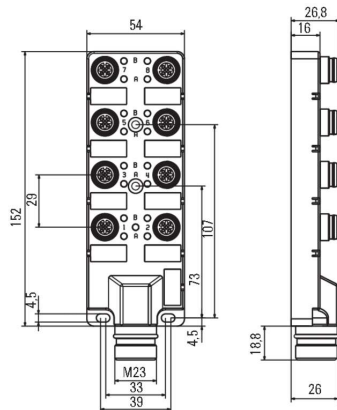
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# Drawings

## Dimensioned drawing



## Wiring diagram

