

**SAIE-M12S-12-0.5U-FP-M16****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Various build-in connectors are required for the connections on the device side of the sensor/actuator cabling. These are available in the versions M12, M8 and M5.

**General ordering data**

|            |                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Built-in plugs, M12, pin, straight, Mounting thread: M 16 x 1.5, Number of poles: 12, Strand / cable length: 0.5 m, Front mounting |
| Order No.  | <a href="#">1283550000</a>                                                                                                         |
| Type       | SAIE-M12S-12-0.5U-FP-M16                                                                                                           |
| GTIN (EAN) | 4050118073720                                                                                                                      |
| Qty.       | 1 pc(s).                                                                                                                           |

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**Technical data****Dimensions and weights**

|            |      |
|------------|------|
| Net weight | 36 g |
|------------|------|

**Technical specifications for cable**

|                       |                                                                                            |                                   |                                                     |
|-----------------------|--------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------|
| Colour coding         | brown, blue, white, green, pink, yellow, black, grey, red, violet, grey / pink, red / blue | Core cross-section                | 0.14 mm <sup>2</sup>                                |
| Number of poles       | 12                                                                                         | PE function                       | No                                                  |
| Strand / cable length | 0.5 m                                                                                      | Wire cross section (Print/Online) | 0.34 (4- and 5-pole)/ 0.25 (8-pole)/ 0.14 (12-pole) |

**Technical data customisable plug-in connectors**

|                       |                      |                              |                                                    |
|-----------------------|----------------------|------------------------------|----------------------------------------------------|
| Coding                | A-coded              | Contact surface              | Gold-plated                                        |
| Housing main material | Brass, nickel-plated | Number of poles              | 12                                                 |
| Plugging cycles       | ≥ 100                | Protection degree            | IP67, when screwed in                              |
| Rated current         | 1.5 A                | Rated current                | 4 A (4- and 5-pole)/ 2 A (8-pole)/ 1.5 A (12-pole) |
| Rated voltage         | 30 V                 | Temperature range of housing | -30...+90 °C                                       |

**Standards**

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

**General data**

|                                   |                                                     |                       |                      |
|-----------------------------------|-----------------------------------------------------|-----------------------|----------------------|
| Coding                            | A-coded                                             | Conductor O.D.        | -                    |
| Connection thread                 | M12                                                 | Contact surface       | Gold-plated          |
| Core cross-section                | 0.14 mm <sup>2</sup>                                | Housing main material | Brass, nickel-plated |
| Material                          | PVC                                                 | Mounting thread       | M 16 x 1.5           |
| Number of poles                   | 12                                                  | Plugging cycles       | ≥ 100                |
| Protection degree                 | IP67, when screwed in                               | Rated current         | 1.5 A                |
| Rated current                     | 4 A (4- and 5-pole)/ 2 A (8-pole)/ 1.5 A (12-pole)  | Rated voltage         | 30 V                 |
| Rated voltage                     | 250 V (4-pole)/ 60 V (5-pole)/ 30 V (8 and 12-pole) | Strand / cable length | 0.5 m                |
| Temperature range of housing      | -30...+90 °C                                        | Type of mounting      | Front mounting       |
| Wire cross section (Print/Online) | 0.34 (4- and 5-pole)/ 0.25 (8-pole)/ 0.14 (12-pole) |                       |                      |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002635    | ETIM 7.0    | EC003570    |
| ETIM 8.0    | EC003570    | ETIM 9.0    | EC003570    |
| ETIM 10.0   | EC003570    | ECLASS 9.0  | 27-44-01-03 |
| ECLASS 9.1  | 27-44-01-03 | ECLASS 10.0 | 27-44-01-03 |
| ECLASS 11.0 | 27-44-01-03 | ECLASS 12.0 | 27-44-01-03 |
| ECLASS 13.0 | 27-44-01-03 | ECLASS 14.0 | 27-44-01-03 |
| ECLASS 15.0 | 27-44-01-03 |             |             |

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Approvals



|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                     |
| UL File Number Search   | UL Website                                                                                                                                                                  |
| Certificate no. (cULus) | E307231                                                                                                                                                                     |

**Environmental Product Compliance**

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant                            |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

**Downloads**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures  | <a href="#">CAT 8 SAI 15/16 EN</a><br><a href="#">FL FIELDWIRING EN</a> |

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**Drawings****Wiring diagram**

|    |   |           |
|----|---|-----------|
| 1  | + | brown     |
| 2  | - | blue      |
| 3  |   | white     |
| 4  |   | green     |
| 5  |   | pink      |
| 6  |   | yellow    |
| 7  |   | black     |
| 8  |   | grey      |
| 9  |   | red       |
| 10 |   | violet    |
| 11 |   | grey/pink |
| 12 |   | red/blue  |

**Pole scheme**