

**WIL-SXXXX-FXPF-6500-X280-M8XX-S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The S-series, available as compact standard and premium lights. The simple M8 connection technology enables plug-and-play as well as the ability for multiple luminaires to be mounted in a row. The light colors of 5.700K or 6.500K can also be smoothly dimmed. Thanks to full encapsulation of the premium variant, the S series offers a high level of tightness and additional protection against ingress of solid foreign bodies  $\geq 1.0\text{mm}$  (IP69). In addition to their flat installation height of 18mm, this enables their use in machine interiors.

**General ordering data**

|            |                                 |
|------------|---------------------------------|
| Order No.  | <a href="#">2900110000</a>      |
| Type       | WIL-SXXXX-FXPF-6500-X280-M8XX-S |
| GTIN (EAN) | 4064675907053                   |
| Qty.       | 1 pc(s).                        |

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## Technical data

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 30 mm   | Depth (inches)  | 1.181 inch  |
| Height     | 17.5 mm | Height (inches) | 0.689 inch  |
| Width      | 280 mm  | Width (inches)  | 11.024 inch |
| Net weight | 293 g   |                 |             |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 70°C |
|-----------------------|------------|

## Connection data

|                   |               |                   |   |
|-------------------|---------------|-------------------|---|
| Version           | pin, straight | Connection thread | M8  |
| Number of poles   | 4             | Coding            | A-coded   |
| Tightening torque |               | Wiring            | Pin 1: control white LED<br>12-30V DC, Pin 2: dim-<br>mable 1.2-10V DC, Pin 3:<br>GND(-), Pin 4: NC |
|                   | 0.6 Nm        |                   |   |

## Electric data

|               |                       |       |       |
|---------------|-----------------------|-------|-------|
| Rated voltage | 12...30 V DC          | Power | 6.8 W |
| Dimmable      | yes, stepless dimming |       |       |

## General technical data

|                                       |                |                         |                   |
|---------------------------------------|----------------|-------------------------|-------------------|
| Electronic equipment on rolling stock | No             | Shape of the LED module | Round             |
| Type of connection                    | Pin connector  | Light colour (CCT)      | 6500K, Cold white |
| Light current                         | 571 lm         | Emitting angle          | 120 °             |
| Illumination level                    | 172 lux        | Operating life          | 60.000 h          |
| Type of mounting                      | Screw mounting | Drill hole spacing      | 336 mm            |
| Protection degree                     | IP69K          |                         |                   |

## Material data

|                       |                         |                        |        |
|-----------------------|-------------------------|------------------------|--------|
| Housing main material | hard anodised aluminium | Encapsulation compound | PUR V0 |
|-----------------------|-------------------------|------------------------|--------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000996    | ETIM 7.0    | EC000996    |
| ETIM 8.0    | EC000996    | ETIM 9.0    | EC000996    |
| ECLASS 9.1  | 27-11-06-35 | ECLASS 10.0 | 27-11-06-35 |
| ECLASS 11.0 | 27-11-06-35 | ECLASS 12.0 | 27-11-06-35 |
| ECLASS 13.0 | 27-11-06-35 |             |             |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E354496    |

Creation date May 23, 2024 6:53:39 PM CEST

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## Technical data

### Downloads

|                    |  |
|--------------------|--|
| Engineering Data   | <a href="#">CAD data – STEP</a>          |
| User Documentation | <a href="#">AINST-WIL-S GUIDE</a>        |
| Catalogues         | <a href="#">Catalogues in PDF-format</a> |

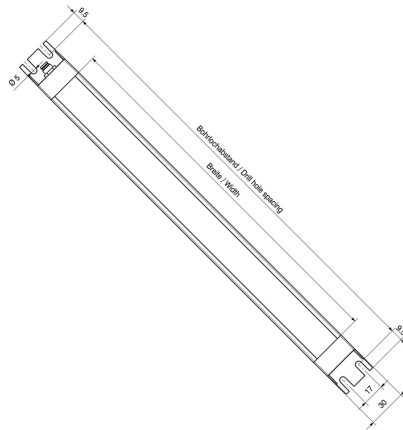
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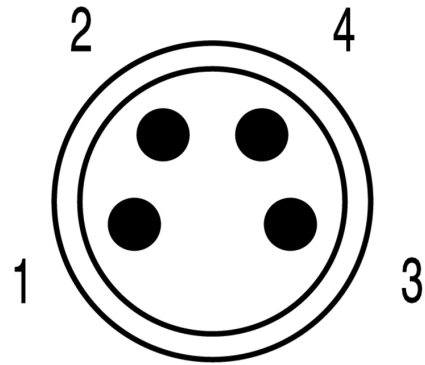
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## Drawings

## Dimensioned drawing



## Pole scheme



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## Accessories

## Straight



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 sockets for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M8 round plug-in connectors are particularly suited to applications where space is limited.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SAIB-M8-4P                 | Version   |
| Order No.  | <a href="#">1803880000</a> | Field attachable connector, M8, Female socket, straight |
| GTIN (EAN) | 4032248259861              |   |
| Qty.       | 1 pc(s).                   |   |

## PUR halogen-free black (U)



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SAIL-M8BG-4-1.5U           | Version  |
| Order No.  | <a href="#">9457850150</a> | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 1.5 m, Female socket, straight, Shielded: No, LED: No,                                 |
| GTIN (EAN) | 4032248403387              | Sheath material: PUR, Halogen: No  |
| Qty.       | 1 pc(s).                   |  |
| Type       | SAIL-M8BG-4-5.0U           | Version  |
| Order No.  | <a href="#">9457850500</a> | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248229208              |  |
| Qty.       | 1 pc(s).                   |  |
| Type       | SAIL-M8BG-4-3.0U           | Version  |
| Order No.  | <a href="#">9457850300</a> | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248403394              |  |
| Qty.       | 1 pc(s).                   |  |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | SAIL-M8BG-4-10U            | Version   |
| Order No.  | <a href="#">9457851000</a> | Sensor/actuator line, One end without connector, M8, Number of          |
| GTIN (EAN) | 4032248285693              | poles : 4, 10 m, Female socket, straight, Shielded: No, LED: No, Sheath |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |

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### General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SAIL-M8GM8G-4-3.0U         | Version   |
| Order No.  | <a href="#">1880470300</a> | Sensor/actuator line, Connecting line, M8 / M8, Number of poles :       |
| GTIN (EAN) | 4032248487875              | 4, 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |
| Type       | SAIL-M8GM8G-4-2.0U         | Version   |
| Order No.  | <a href="#">1880470200</a> | Sensor/actuator line, Connecting line, M8 / M8, Number of poles :       |
| GTIN (EAN) | 4032248733965              | 4, 2 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |
| Type       | SAIL-M8GM8G-4-1.0U         | Version   |
| Order No.  | <a href="#">1880470100</a> | Sensor/actuator line, Connecting line, M8 / M8, Number of poles :       |
| GTIN (EAN) | 4032248555499              | 4, 1 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |