

WIL-SXXXX-FXPF-6500-X140-M8XX-S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

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. | 2899990000 |
| Type | WIL-SXXXX-FXPF-6500-X140-M8XX-S |
| GTIN (EAN) | 4064675907046 |
| Qty. | 1 items |

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Technical data
Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E354496

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 30 mm | Depth (inches) | 1.1811 inch |
| Height | 17.5 mm | Height (inches) | 0.689 inch |
| Width | 140 mm | Width (inches) | 5.5118 inch |
| Net weight | 159 g | | |

Temperatures

Operating temperature -20 - 70°C

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP 37ebc061-1fa2-4387-80af-82299a5c3412

Cable technical specifications

Housing main material hard anodised aluminium

Connection data

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

Electric data

| | | | |
|---------------|-----------------------|-------|-------|
| Rated voltage | 12...30 V DC | Power | 3.4 W |
| Dimmable | yes, stepless dimming | | |

General technical data

| | | | |
|-------------------------|----------------|---|-------------------|
| Type of connection | Pin connector | Electronic equipment on rolling stock | No |
| Shape of the LED module | Round | Light colour (CCT) | 6500K, Cold white |
| Light current | 286 lm | Emitting angle | 120 ° |
| Illumination level | 88 lux | Operating life | 60.000 h |
| Type of mounting | Screw mounting | Drill hole spacing | 196 mm |
| Protection degree | IP69K | Efficiency class (according to EU Directive No. 874/2012) | Not required |

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Technical data

Material data

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000996 | ETIM 9.0 | EC000996 |
| ETIM 10.0 | EC000996 | ECLASS 14.0 | 27-11-06-35 |
| ECLASS 15.0 | 27-11-06-35 | | |

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 | SAIBGS-P-4A-3.5/5-M8 | Version | |
| Order No. | 1803880000 | Field attachable connector, M8 | |
| GTIN (EAN) | 4032248259861 | | |
| Qty. | 1 ST | | |

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. | 9457850150 | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 1.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No | |
| GTIN (EAN) | 4032248403387 | | |
| Qty. | 1 ST | | |
| Type | SAIL-M8BG-4-3.0U | Version | |
| Order No. | 9457850300 | 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 ST | | |
| Type | SAIL-M8BG-4-5.0U | Version | |
| Order No. | 9457850500 | 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 ST | | |

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Accessories

| | | |
|------------|----------------------------|--|
| Type | SAIL-M8BG-4-10U | Version |
| Order No. | 9457851000 | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 10 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248285693 | |
| Qty. | 1 ST | |
| Type | SAIL-M8GM8G-4-1.OU | Version |
| Order No. | 1880470100 | Sensor/actuator line, Connecting line, M8 / M8, Number of poles : 4, 1 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248555499 | |
| Qty. | 1 ST | |
| Type | SAIL-M8GM8G-4-2.OU | Version |
| Order No. | 1880470200 | Sensor/actuator line, Connecting line, M8 / M8, Number of poles : 4, 2 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248733965 | |
| Qty. | 1 ST | |
| Type | SAIL-M8GM8G-4-3.OU | Version |
| Order No. | 1880470300 | Sensor/actuator line, Connecting line, M8 / M8, Number of poles : 4, 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248487875 | |
| Qty. | 1 ST | |