

**WIL-ERGBX-RXSS-XXXX-X280-M8XX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The E-series, with standard and premium lights, is ideal for focused lighting in work areas. Swiveling mounting brackets provide the necessary flexibility in the positioning of the lighting field. Thanks to the built-in M8 connectors, a simple and quick connection is given and allows the connection of several lights. The cover made of robust PMMA not only provides the necessary protection (IP54) but also ensures a homogeneous illumination with 5.700K.

**General ordering data**

|            |                               |
|------------|-------------------------------|
| Order No.  | <a href="#">2899870000</a>    |
| Type       | WIL-ERGBX-RXSS-XXXX-X280-M8XX |
| GTIN (EAN) | 4064675906926                 |
| Qty.       | 1 pc(s).                      |

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## Technical data

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 35 mm  | Depth (inches)  | 1.378 inch  |
| Height     | 35 mm  | Height (inches) | 1.378 inch  |
| Width      | 280 mm | Width (inches)  | 11.024 inch |
| Net weight | 191 g  |                 |             |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 45°C |
|-----------------------|------------|

## 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 / 2 / 4: control multicolor LED, Pin 5: GND(-), Pin 3: GND(-) |

## Electric data

|               |                       |       |       |
|---------------|-----------------------|-------|-------|
| Rated voltage | 24 V DC               | Power | 5.5 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 current           | 552 lm         |
| Emitting angle                        | 120 °         | Illumination level      | 163 lux        |
| Operating life                        | 60.000 h      | Type of mounting        | Screw mounting |
| Drill hole spacing                    | 289 mm        | Protection degree       | IP54           |

## Material data

|                       |      |                       |                         |
|-----------------------|------|-----------------------|-------------------------|
| Material of LED cover | PMMA | Housing main material | hard anodised aluminium |
|-----------------------|------|-----------------------|-------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000996    | ETIM 7.0    | EC000996    |
| ETIM 8.0    | EC000996    | ETIM 9.0    | EC000996    |
| ETIM 10.0   | 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 |
| ECLASS 14.0 | 27-11-06-35 | ECLASS 15.0 | 27-11-06-35 |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 3ecd7eed-9477-489c-b868-70515b8da84d |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

|                       |            |
|-----------------------|------------|
| UL File Number Search | UL Website |
|-----------------------|------------|

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E354496 |
|-------------------------|---------|

**Downloads**

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

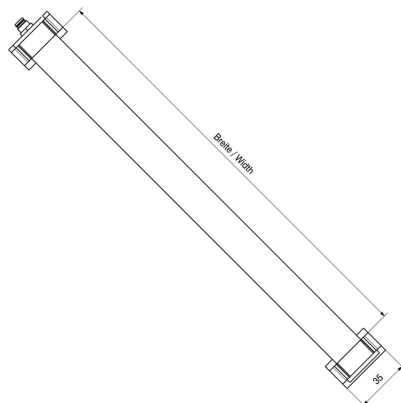
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# Drawings

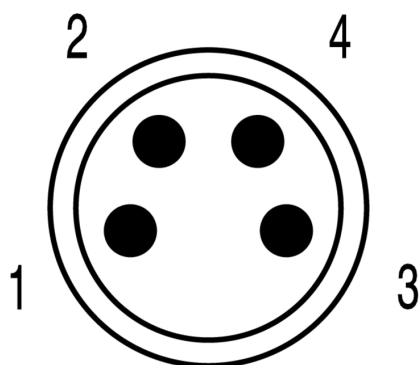
## Dimensioned drawing



## Dimensioned drawing



## Pole scheme



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## Accessories

## 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-4-10U            | 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                                              |
| Type       | SAIL-M8BG-4-1.5U           | Version                                                                 |
| Order No.  | <a href="#">9457850150</a> | Sensor/actuator line, One end without connector, M8, Number of          |
| GTIN (EAN) | 4032248403387              | poles : 4, 1.5 m, Female socket, straight, Shielded: No, LED: No,       |
| Qty.       | 1 pc(s).                   | Sheath material: PUR, Halogen: No                                       |
| Type       | SAIL-M8BG-4-3.0U           | Version                                                                 |
| Order No.  | <a href="#">9457850300</a> | Sensor/actuator line, One end without connector, M8, Number of          |
| GTIN (EAN) | 4032248403394              | poles : 4, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath  |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No                                              |
| Type       | SAIL-M8BG-4-5.0U           | Version                                                                 |
| Order No.  | <a href="#">9457850500</a> | Sensor/actuator line, One end without connector, M8, Number of          |
| GTIN (EAN) | 4032248229208              | poles : 4, 5 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-4-1.0U         | 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                                              |
| 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-4-3.0U         | 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                                              |

### 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.  | <a href="#">1803880000</a> | Field attachable connector, M8 |
| GTIN (EAN) | 4032248259861              |                                |
| Qty.       | 1 pc(s).                   |                                |