

## SAI-4-F 4P IDC PUR 5M

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



- The compact IDC system cuts production, installation and maintenance work.
- Knurled metal nuts ensure sturdy, secure handling with little effort.
- The IDC distributors have the same dimensions as the standard SAI distributors. They are compatible with the standard SAI distributors.
- 3-pole version with 1 I/O signal per slot and 4-pole version with 2 I/O signals per slot,
- individual assembly of the sensor/actuator cables on the spot,
- reliable and fast connection thanks to IDC connecting element,
- IP67 class of protection.

#### General ordering data

|            |   |
|------------|---|
| Version    | Fixed cable version, IDC, M12, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP, 5 m |
| Order No.  | <a href="#">1766660000</a>  |
| Type       | SAI-4-F 4P IDC PUR 5M   |
| GTIN (EAN) | 4032248107384   |
| Qty.       | 1 items   |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E141197                    |

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 102 mm   | Depth (inches)  | 4.0157 inch |
| Height     | 25 mm    | Height (inches) | 0.9842 inch |
| Width      | 60 mm    | Width (inches)  | 2.3622 inch |
| Net weight | 461.12 g |                 |             |

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 80°C |
|-----------------------|------------|

## Environmental Product Compliance

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant                            |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | 4060c755-8d0b-4d43-bdb3-4ffabe9d7497 |

## Connection data

|  |        |                            |                          |
|--|--------|----------------------------|--------------------------|
| Conductor O.D., min.                   | 1.2 mm | Sheathing stripping length | 15 mm                    |
| max. connection of equal cross-section | 10     | Distributor outlet         | Fixed cable version, IDC |

## 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 resistance                   | 109 Ω |

## General technical data

|                             |        |                                     |         |
|-----------------------------|--------|-------------------------------------|---------|
| Protection degree           | IP67   | Plug-in station coding              | A-coded |
| Number of poles             | 4      | Number of contact sockets           | 4       |
| Connection thread           | M12    | Pollution severity                  | 2       |
| 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    | Pocan          | 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) |                         |                    |

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## Technical data

### Technical data cable

|                                   |  |                      |        |
|-----------------------------------|--|----------------------|--------|
| Number of poles                   | 4  | Sheathing colour     | black  |
| O.D.                              | 7.4 mm   | Shielded             | No     |
| Halogen                           | No   | Conductor O.D., min. | 1.2 mm |
| Bending radius, min., moving      | 10 x cable diameter  | Bending cycles       | 2 Mio  |
| Wire cross section (Print/Online) | 8 x 0.34 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup>  | Sheath material      | PUR    |
| Colour coding                     | blue, brown, brown / green, yellow, grey, grey / pink, green, red / blue, white, white / green | Cable length         | 5 m    |
| Suitable for cable carriers       | Yes  |                      |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002585    | ETIM 9.0    | EC002585    |
| ETIM 10.0   | EC002585    | ECLASS 14.0 | 27-44-01-08 |
| ECLASS 15.0 | 27-44-01-08 |             |             |

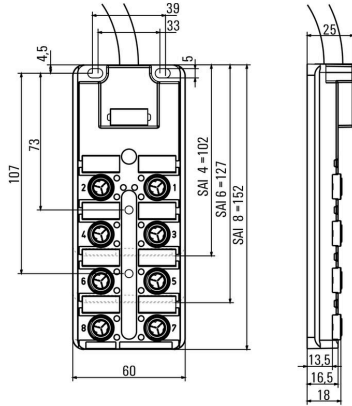
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Drawings

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Dimensioned drawing



Wiring diagram

