

**SAI-6-F 3P IDC PUR 10M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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         | SAI Passive, Sensor-actuator passive distributor, IDC, M12, Fixed cable version, 10 m, Yes |
| Order No.       | <a href="#">1766750000</a>                                                                 |
| Type            | SAI-6-F 3P IDC PUR 10M                                                                     |
| GTIN (EAN)      | 4032248107452                                                                              |
| Qty.            | 1 pc(s).                                                                                   |
| Delivery status | <b>Discontinued</b>                                                                        |
| Available until | 2019-07-01                                                                                 |

Creation date March 25, 2021 4:33:53 AM CET

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Height         | 25 mm      | Height (inches) | 0.984 inch |
| Length         | 127 mm     | Length (inches) | 5 inch     |
| Net weight     | 4,236 g    | Width           | 60 mm      |
| Width (inches) | 2.362 inch |                 |            |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Connection data

|                            |                     |                                        |    |
|----------------------------|---------------------|----------------------------------------|----|
| Sheathing stripping length | 15 mm               | max. connection of equal cross-section | 10 |
| Distributor outlet         | Fixed cable version |                                        |    |

## 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 strength                     | 10 <sup>9</sup> Ω |

## General technical data

|                             |        |                                     |       |
|-----------------------------|--------|-------------------------------------|-------|
| Plug-in station coding      | A      | Protection degree                   | IP67  |
| Number of poles             | 3      | Number of contact sockets           | 6     |
| 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) |                         |                    |

## Technical data cable

|                 |                                                    |                              |                                                     |
|-----------------|----------------------------------------------------|------------------------------|-----------------------------------------------------|
| Bending cycles  | 2 Mio                                              | Bending radius, min., moving | 10 x cable diameter                                 |
| Colour coding   | white, green, yellow, grey, pink, red, blue, brown | Halogen                      | No                                                  |
| Number of poles | 3                                                  | O.D.                         | 7.2 mm                                              |
| Sheath material | PUR                                                | Sheathing colour             | black                                               |
| Shielded        | No                                                 | Wire cross section           | 6 x 0.34 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup> |
| Cable length    | 10 m                                               | Suitable for cable carriers  | Yes                                                 |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC002585    |
| ECLASS 9.0  | 27-44-01-08 | ECLASS 9.1  | 27-44-01-08 |
| ECLASS 10.0 | 27-44-01-08 | ECLASS 11.0 | 27-44-01-08 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E141197 |

**Downloads**Engineering Data [WSCAD](#)

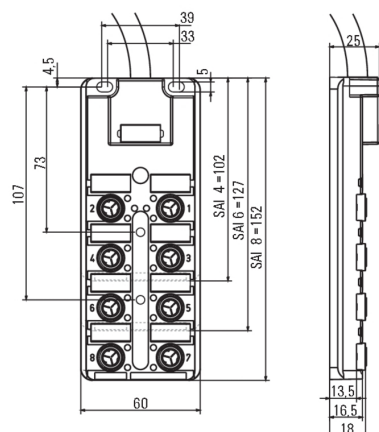
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# Drawings

## Dimensioned drawing



## Wiring diagram

