

SAI-4-F 4P IDC PUR 5M**Weidmüller Interface GmbH & 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 | SAI Passive, Sensor-actuator passive distributor, IDC, M12, Fixed cable version, 5 m, Yes |
| Order No. | 1766660000 |
| Type | SAI-4-F 4P IDC PUR 5M |
| GTIN (EAN) | 4032248107384 |
| Qty. | 1 pc(s). |

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|------------|--------|-----------------|------------|
| Depth | 102 mm | Depth (inches) | 4.016 inch |
| Height | 25 mm | Height (inches) | 0.984 inch |
| Width | 60 mm | Width (inches) | 2.362 inch |
| Net weight | 524 g | | |

Temperatures

| | | | |
|-----------------------------|------------|-----------------------------|--------|
| Operating temperature | -20 - 80°C | Operating temperature, min. | -20 °C |
| Operating temperature, max. | 80 °C | | |

Connection data

| | | | |
|----------------------------|---------------------|--|--------|
| Conductor O.D., min. | 1.2 mm | Conductor O.D., max. | 1.6 mm |
| 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 ⁹ Ω |

General technical data

| | | | |
|-----------------------------|--------|-------------------------------------|-------|
| Plug-in station coding | A | Protection degree | IP67 |
| 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) | | |

Technical data cable

| | | | |
|----------------------|--|-----------------------------------|---|
| Bending cycles | 2 Mio | Bending radius, min., moving | 10 x cable diameter |
| Colour coding | blue, brown, brown / green, yellow, grey, grey / pink, green, red / blue, white, white / green | Conductor O.D., max. | 1.6 mm |
| Conductor O.D., min. | 1.2 mm | Halogen | No |
| Number of poles | 4 | O.D. | 7.4 mm |
| Sheath material | PUR | Sheathing colour | black |
| Shielded | No | Wire cross section (Print/Online) | 8 x 0.34 mm ² + 2 x 0.75 mm ² |
| Cable length | 5 m | Suitable for cable carriers | Yes |

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Technical data**Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002585 | ETIM 7.0 | EC002585 |
| ETIM 8.0 | 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 | ECLASS 12.0 | 27-44-01-08 |

Environmental Product Compliance

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

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E141197 |

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

Data sheet

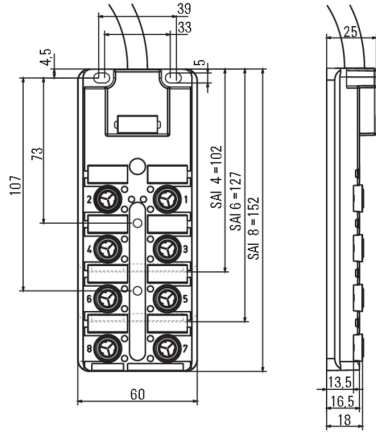
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Drawings

Dimensioned drawing



Wiring diagram

