

SAI-8-M 4P IDC UT**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, Hood version, Yes |
| Order No. | 1766801000 |
| Type | SAI-8-M 4P IDC UT |
| GTIN (EAN) | 4032248145294 |
| Qty. | 2 pc(s). |

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Catalogue status 02.12.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 152 mm | Depth (inches) | 5.984 inch |
| Height | 41.5 mm | Height (inches) | 1.634 inch |
| Width | 60 mm | Width (inches) | 2.362 inch |
| Net weight | 185.5 g | | |

Temperatures

| | |
|-----------------------|------------|
| Operating temperature | -20 - 90°C |
|-----------------------|------------|

Connection data

| | | | |
|--|----------------------|----------------------|---------------------|
| Conductor O.D., min. | 1.2 mm | Conductor O.D., max. | 1.6 mm |
| Clamping range, min. | 0.08 mm ² | Clamping range, max. | 1.5 mm ² |
| max. connection of equal cross-section | 10 | Storage space | Standard |
| Distributor outlet | Hood 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 | 10 A | Current per signal | 2 A |
| Electrical isolation available | Yes | Insulation strength | 10 ⁹ Ω |

General technical data

| | | | |
|-----------------------------|--------|-------------------------------------|-------|
| Plug-in station coding | A | Protection degree | IP67 |
| Number of poles | 4 | Number of contact sockets | 8 |
| 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 | Hood sealing material | Viton |
| Screw socket | Nickel-plated CuZn | Contact material | CuZn |
| Contact surface | Gold-plated | Contact carrier material | PBT (UL 94 V0) |

Technical data cable

| | | | |
|----------------------|--------|-----------------------------|--------|
| Conductor O.D., max. | 1.6 mm | Conductor O.D., min. | 1.2 mm |
| Number of poles | 4 | Suitable for cable carriers | No |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002585 | ETIM 7.0 | EC003558 |
| ETIM 8.0 | EC003558 | ECLASS 9.0 | 27-44-01-08 |
| ECLASS 9.1 | 27-44-01-08 | ECLASS 10.0 | 27-44-01-11 |
| ECLASS 11.0 | 27-44-01-11 | ECLASS 12.0 | 27-44-01-11 |

Environmental Product Compliance

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

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Technical data**Approvals**

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |

Downloads

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

Data sheet

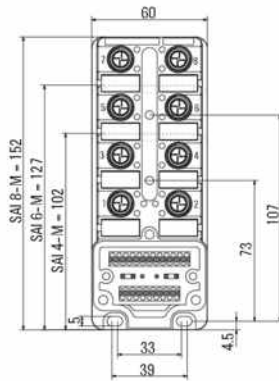
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Drawings

Dimensioned drawing



Wiring diagram

