

**SAI-8-M 3P IDC UT****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, Hood version, Yes |
| Order No.  | <a href="#">1760061000</a>                                                    |
| Type       | SAI-8-M 3P IDC UT                                                             |
| GTIN (EAN) | 4032248145423                                                                 |
| Qty.       | 2 pc(s).                                                                      |

## SAI-8-M 3P IDC UT

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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 | 186.5 g |                 |            |

## Temperatures

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

## Environmental Product Compliance

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

## Connection data

|                                        |                      |                      |                     |
|----------------------------------------|----------------------|----------------------|---------------------|
| Conductor O.D., min.                   | 1.2 mm               | Conductor O.D., max. | 1.6 mm              |
| Clamping range, min.                   | 0.08 mm <sup>2</sup> | Clamping range, max. | 1.5 mm <sup>2</sup> |
| 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 <sup>9</sup> Ω |

## General technical data

|                             |        |                                     |       |
|-----------------------------|--------|-------------------------------------|-------|
| Plug-in station coding      | A      | Protection degree                   | IP67  |
| Number of poles             | 3      | 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      | 3      | 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 |             |             |

**SAI-8-M 3P IDC UT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Approvals



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

**Downloads**

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Engineering Data | <a href="#">STEP</a>                                                   |
| Engineering Data | <a href="#">WSCAD</a>                                                  |
| Catalogues       | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures        | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

## SAI-8-M 3P IDC UT

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

# Drawings

## Dimensioned drawing

