

SAIS-4-IDC M12 SMALL

Weidmüller Interface GmbH & Co. KG

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Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly.

Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The IDC is simple and quick to assemble since this technology allows the conductor to be inserted directly into the terminal point, without crimping or having to strip the insulation. It also has excellent functional security.

General ordering data

| | |
|------------|---|
| Type | SAIS-4-IDC M12 SMALL |
| Order No. | 1781550001 |
| Version | Plugs prefabricated to customer spec., M12, pin, straight |
| GTIN (EAN) | 4032248429950 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|----------------|------------|
| Width | 15.3 mm | Width (inches) | 0.602 inch |
| Net weight | 22 g | | |

Temperatures

| | | | |
|-----------------------------------|-------|-----------------------------------|--------|
| Operating temperature range, max. | 85 °C | Operating temperature range, min. | -25 °C |
| Operating temperature, max. | 85 °C | Operating temperature, min. | -25 °C |

Environmental Product Compliance

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

Technical data customisable plug-in connectors

| | | | |
|--------------------------------|----------------------|--------------------------------|------------------------------------|
| Cable diameter, max. | 5.1 mm | Cable diameter, min. | 2.9 mm |
| Coding | A | Conductor cross-section, max. | 0.34 mm ² |
| Conductor cross-section, min. | 0.14 mm ² | Connection cross-section, max. | 0.34 mm ² |
| Connection cross-section, min. | 0.14 mm ² | Contact surface | tinned |
| Housing main material | CuZn | Insulation strength | 10 ⁸ Ω |
| Number of poles | 4 | Plugging cycles | ≥ 50 |
| Pollution severity | 3 | Protection degree | IP67 |
| Rated current | 4 A | Rated voltage | 32 V |
| Shield connection | No | Temperature range of housing | -25...+85 °C |
| Threaded ring material | Diecast zinc | Type of connection | Insulation displacement connection |

Standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC002062 | ETIM 7.0 | EC002635 |
| eClass 9.0 | 27-44-01-02 | eClass 9.1 | 27-44-01-03 |
| eClass 10.0 | 27-44-01-02 | UNSPSC | 30-21-18-10 |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|--------------------|---|
| Brochure/Catalogue | CAT 8 SAI 15/16 EN FL FIELDWIRING EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | Manual |