

SAIBC-WDF-D-18/28-4/9CG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 crimp connection is characterised by high functional reliability. With this connection technology, the conductor is crimped to the contact and then engaged in the contact carrier. The connection between the conductor and crimp is vibration-resistant and boasts long-term stability. Crimp contacts are to be ordered separately.

General ordering data

| | |
|------------|--|
| Version | Field attachable connector, M12, Female socket, straight |
| Order No. | 2664780000 |
| Type | SAIBC-WDF-D-18/28-4/9CG |
| GTIN (EAN) | 4050118765236 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|--------|
| Net weight | 20.5 g |
|------------|--------|

Technical data customisable plug-in connectors

| | | | |
|--------------------------------|----------------------|--------------------------------|----------------------|
| Cable diameter | 4...9 mm | Cable diameter, max. | 9 mm |
| Cable diameter, min. | 4 mm | Coding | D-coded |
| Conductor cross-section, max. | 0.75 mm ² | Conductor cross-section, min. | 0.08 mm ² |
| Connection cross-section, max. | 0.75 mm ² | Connection cross-section, min. | 0.08 mm ² |
| Contact surface | Gold-plated | Housing main material | CuZn |
| Number of poles | 4 | Plugging cycles | ≥ 500 |
| Pollution severity | 3 | Protection degree | IP67 |
| Rated current | 4 A | Rated voltage | 50 V |
| Shield connection | Yes | Temperature range of housing | -40 ... +85 °C |
| Threaded ring material | Brass, nickel-plated | Type of connection | Crimp connection |

General Info

| | | | |
|-------------------|-------|-----------------------|-------------|
| Number of poles | 4 | Connection 1 | M12 |
| Connection 2 | Crimp | Housing main material | CuZn |
| Connection thread | M12 | Contact surface | Gold-plated |
| Protection degree | IP67 | Plugging cycles | ≥ 500 |

Electrical properties

| | |
|---------------|------|
| Rated voltage | 50 V |
|---------------|------|

General standards

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

Standards

| | | | |
|--|--|----------------------------------|----------------------------------|
| Connector standard | IEC 61076-2-101 | Fire safety for railway vehicles | According to EN 45545, HL1 - HL3 |
| Shock and vibration proof according to | DIN EN 61373 KAT2 (Bogie), DIN EN 61373 Class 1B** | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002635 | ETIM 7.0 | EC002635 |
| ETIM 8.0 | EC002635 | ETIM 9.0 | EC002635 |
| ECLASS 9.0 | 27-44-01-02 | ECLASS 9.1 | 27-44-01-03 |
| ECLASS 10.0 | 27-44-01-02 | ECLASS 11.0 | 27-44-01-02 |
| ECLASS 12.0 | 27-44-01-16 | ECLASS 13.0 | 27-44-01-02 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 0ea6d931-f9e9-40a6-89d9-8d67103189d3 |

Approvals

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

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Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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Technical data

Downloads

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

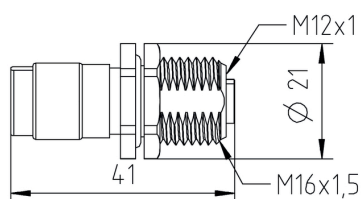
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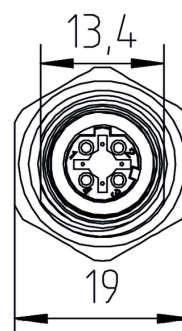
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Drawings

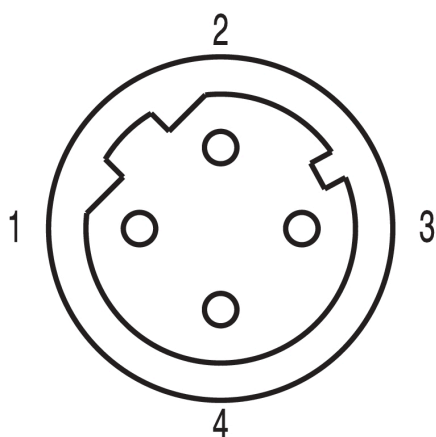
Dimensioned drawing



Pole scheme



Pole scheme



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Accessories

Crimp contacts



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The crimp connection is characterised by high functional reliability. With this connection technology, the conductor is crimped to the contact and then engaged in the contact carrier. The connection between the conductor and crimp is vibration-resistant and boasts long-term stability.

Crimp contacts are to be ordered separately.

General ordering data

| | | |
|------------|----------------------------|---------------------------|
| Type | SAI-M12-KBC-18/20 | Version |
| Order No. | 2664860000 | Contact, Socket connector |
| GTIN (EAN) | 4050118755206 | |
| Qty. | 100 pc(s). | |
| Type | SAI-M12-KBC-20/22 | Version |
| Order No. | 2664870000 | Contact, Socket connector |
| GTIN (EAN) | 4050118755213 | |
| Qty. | 100 pc(s). | |
| Type | SAI-M12-KBC-26/28 | Version |
| Order No. | 2673740000 | Contact, Socket connector |
| GTIN (EAN) | 4050118755084 | |
| Qty. | 100 pc(s). | |
| Type | SAI-M12-KBC-22/24 | Version |
| Order No. | 2673730000 | Contact, Socket connector |
| GTIN (EAN) | 4050118754599 | |
| Qty. | 100 pc(s). | |

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www.weidmueller.com**Accessories****...for M12**

Weidmüller offers a wide range of tools and accessories for sensor-actuator cabling.

General ordering data

| | | |
|------------|----------------------------|---------------|
| Type | SAI-TMCSK | Version |
| Order No. | 1381690000 | Pressing tool |
| GTIN (EAN) | 4050118183870 | |
| Qty. | 1 pc(s). | |