Data sheet

# SAISWC-M-5A-4/9-M12-CG

**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 |
| Order No. | 2672430000 |
| Type | SAISWC-M-5A-4/9-M12-CG |
| GTIN (EAN) | 4050118765298 |
| Qty. | 1 items |

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Diameter | 14 mm | Net weight | 29.5 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

### Technical data customisable plug-in connectors

| | | | |
|---|---|---|---|
| Number of poles | 5 | Coding | A-coded |
| Contact surface | Gold-plated | LED | No |
| Type of connection | Crimp connection | Housing main material | Cu alloy Ni plated |
| Cable diameter, max. | 9 mm | Cable diameter, min. | 4 mm |
| Conductor cross-section, max. | 0.82 mm² | Conductor cross-section, min. | 0.08 mm² |
| Nominal voltage | 50 V | Nominal current | 4 A |
| Protection degree | IP67, when screwed in | Plugging cycles | ≥ 250 |
| Pollution severity | 3 | Gender of contact | Male |
| Shield connection | Yes | Threaded ring material | Brass, nickel-plated |
| Temperature range of housing | -40 … +85 ° C | | |

### General Info

| | | | |
|---|---|---|---|
| Number of poles | 5 | Connection 1 | M12 |
| Connection 2 | Crimp | Housing main material | Cu alloy Ni plated |
| Connection thread | M12 | Contact surface | Gold-plated |
| Wire connection cross section, finely stranded, min. | 0.08 mm² | Wire connection cross-section, finely stranded, max. | 0.82 mm² |
| Wire cross-section, solid, min. | 0.08 mm² | Wire cross-section, solid, max. | 0.82 mm² |
| Protection degree | IP67, when screwed in | Plugging cycles | ≥ 250 |

### Standards

| | | | |
|---|---|---|---|
| Connector standard | IEC 61076-2-101 | Fire safety for railway vehicles | EN 45545 HL3 |
| Shock and vibration proof according to | EN 50155:2001, DIN EN 61373 | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC002635 | ETIM 9.0 | EC002635 |
| ETIM 10.0 | EC002635 | ECLASS 14.0 | 27-44-01-16 |
| ECLASS 15.0 | 27-44-01-16 | | |

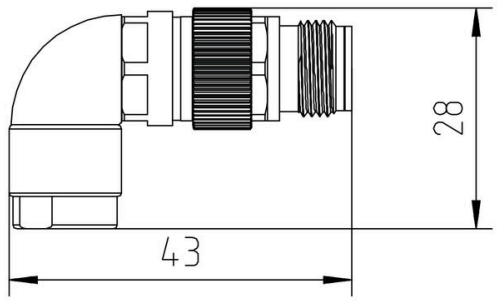
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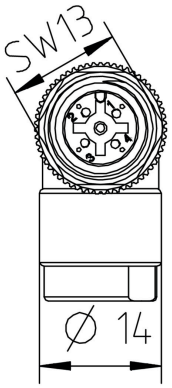
www.weidmueller.com

## Drawings

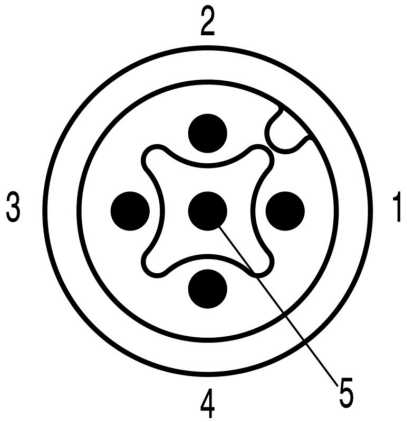
### Dimensioned drawing



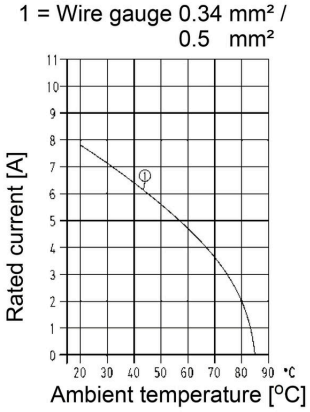

### Dimensioned drawing




### Pole scheme




### Derating curve



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## Accessories

### Shield cable gland



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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 |
| GTIN (EAN) | 4050118755206 | |
| Qty. | 100 ST | |
| Type | SAI-M12-KBC-20/22 | Version |
| Order No. | 2664870000 | Contact |
| GTIN (EAN) | 4050118755213 | |
| Qty. | 100 ST | |
| Type | SAI-M12-KBC-22/24 | Version |
| Order No. | 2673730000 | Contact |
| GTIN (EAN) | 4050118754599 | |
| Qty. | 100 ST | |
| Type | SAI-M12-KBC-26/28 | Version |
| Order No. | 2673740000 | Contact |
| GTIN (EAN) | 4050118755084 | |
| Qty. | 100 ST | |

### ...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, 4-indent crimp |
| GTIN (EAN) | 4050118183870 | |
| Qty. | 1 ST | |