Data sheet

# SAISWS-M-8A-6/8-M12

**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 screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

## General ordering data

| | |
|---|---|
| Version | Field attachable connector, M12 |
| Order No. | 1423040000 |
| Type | SAISWS-M-8A-6/8-M12 |
| GTIN (EAN) | 4050118227321 |
| Qty. | 1 items |

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Diameter | 20.2 mm | Net weight | 40 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1, Imidazolidine-2-thione 96-45-7 |
| SCIP | bcee35cf-c0f5-43d2-8daf-65ab0d08641a |

### Technical data customisable plug-in connectors

| | | | |
|---|---|---|---|
| Number of poles | 8 | Coding | A-coded |
| Contact surface | Gold-plated | LED | No |
| Type of connection | Screw connection | Housing main material | zinc diecast nickel-plated |
| Insulation resistance | ≥ 108 Ω | Cable diameter, max. | 8 mm |
| Cable diameter, min. | 6 mm | Conductor cross-section, max. | 0.25 mm² |
| Conductor cross-section, min. | 0.14 mm² | Nominal voltage | 30 V |
| Nominal current | 2 A | Protection degree | IP67 |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Gender of contact | Male | Shield connection | Yes |
| Threaded ring material | Diecast zinc | Temperature range of housing | -40 … +85 ° C |
| Connection cross-section, max. | 0.25 mm² | Connection cross-section, min. | 0.14 mm² |

### General Info

| | | | |
|---|---|---|---|
| Number of poles | 8 | Connection 1 | M12 |
| Connection 2 | Screw | UL 94 flammability rating | V-0 |
| Housing main material | zinc diecast nickel-plated | Connection thread | M12 |
| Contact surface | Gold-plated | Wire cross-section, solid, max. (AWG) | AWG 24 |
| Wire connection cross section, finely stranded, min. | 0.14 mm² | Wire connection cross-section, finely stranded, max. | 0.25 mm² |
| Wire cross-section, solid, min. | 0.14 mm² | Wire cross-section, solid, max. | 0.25 mm² |
| Protection degree | IP67 | Plugging cycles | ≥ 100 |

### Standards

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

### 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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## Drawings

### Pole scheme




