Data sheet

# SAIS-5/9-7/8

**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 sockets for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The 7/8" round plug-in connectors can transmit large amount of power.
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, 7/8" |
| Order No. | 1301220000 |
| Type | SAIS-5/9-7/8 |
| GTIN (EAN) | 4050118098150 |
| Qty. | 1 items |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E307231 |

### Dimensions and weights

| | |
|---|---|
| Net weight | 54 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 | 10f6f563-34ca-4ce4-9e59-cf656b2f4d8b |

### Technical data customisable plug-in connectors

| | | | |
|---|---|---|---|
| Number of poles | 5 | Coding | none |
| Contact surface | Gold-plated | Type of connection | Screw connection |
| Housing main material | PBT | Insulation resistance | 108 Ω |
| Cable diameter, max. | 8 mm | Cable diameter, min. | 6 mm |
| Contact material | CuZn | Conductor cross-section, max. | 1.5 mm² |
| Conductor cross-section, min. | 0.5 mm² | Nominal voltage | 300 V |
| Nominal current | 9 A | Protection degree | IP67 |
| Plugging cycles | ≥ 50 | Pollution severity | 3 |
| Cable gland | PG 9 | Rated current | 9 A (4- and 5-pole), 12 A (3-pole) |
| Gender of contact | Male | Shield connection | No |
| Threaded ring material | Diecast zinc | Temperature range of housing | -40 … +85 ° C |
| Connection cross-section, max. | 1.5 mm² | Connection cross-section, min. | 0.14 mm² |

### General data

| | | | |
|---|---|---|---|
| Number of poles | 5 | Coding | none |
| Connection thread | 7/8" | Contact surface | Gold-plated |
| Type of connection | Screw connection | Housing main material | PBT |
| Insulation resistance | 108 Ω | Cable diameter, max. | 8 mm |
| Cable diameter, min. | 6 mm | Contact material | CuZn |
| Conductor cross-section, max. | 1.5 mm² | Conductor cross-section, min. | 0.5 mm² |
| Nominal voltage | 300 V | Nominal current | 9 A |
| Protection degree | IP67 | Plugging cycles | ≥ 50 |
| Pollution severity | 3 | Cable gland | PG 9 |
| Rated voltage | 300 V | Rated current | 9 A (4- and 5-pole), 12 A (3-pole) |
| Connection 1 | 7/8" | Connection 2 | Screw |
| Rated impulse voltage | 4000 V | Shield connection | No |
| Rated voltage (UL) | 600 V | Temperature range of housing | -40 … +85 ° C |
| Conductor O.D. | - | | |

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# Technical data

## 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 | | |

Weidmüller

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## Drawings




