Data sheet

# SAIBGI-P-3A-5.5/8-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 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

| | |
|---|---|
| Version | Field attachable connector, M12 |
| Order No. | 1852730000 |
| Type | SAIBGI-P-3A-5.5/8-M12 |
| GTIN (EAN) | 4032248386857 |
| Qty. | 1 items |

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Diameter | 20.5 mm | Net weight | 32.56 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

### Technical data customisable plug-in connectors

| | | | |
|---|---|---|---|
| Number of poles | 3 | Coding | A-coded |
| Contact surface | tinned | LED | No |
| Assignment | Pin 3, Pin 4, Pin 5 | Type of connection | Insulation displacement connection |
| Housing main material | CuZn | Insulation resistance | 108 Ω |
| Cable diameter, max. | 8 mm | Cable diameter, min. | 5.5 mm |
| Contact material | Copper alloy | Conductor cross-section, max. | 0.75 mm² |
| Conductor cross-section, min. | 0.34 mm² | Nominal voltage | 50 V |
| Nominal current | 6 A | Protection degree | IP67 |
| Plugging cycles | ≥ 50 | Pollution severity | 3 |
| Gender of contact | Female | Shield connection | No |
| Threaded ring material | Diecast zinc | Temperature range of housing | -25...+85 °C |

### General Info

| | | | |
|---|---|---|---|
| Number of poles | 3 | Connection 1 | M12 |
| Connection 2 | IDC | Description of article | SAIS / B IDC (0.75) |
| UL 94 flammability rating | V-0 | Housing main material | CuZn |
| Connection thread | M12 | Contact material | Copper alloy |
| Contact surface | tinned | Wire connection cross section, finely stranded, min. | 0.34 mm² |
| Wire connection cross-section, finely stranded, max. | 0.75 mm² | Protection degree | IP67 |
| Plugging cycles | ≥ 50 | | |

### 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

