Data sheet

# SAIBGP-M-4A-4/8-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.

## General ordering data

| | |
|---|---|
| Version | Field attachable connector, M12 |
| Order No. | 2681540000 |
| Type | SAIBGP-M-4A-4/8-M12 |
| GTIN (EAN) | 4050118759716 |
| Qty. | 1 items |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Diameter | 19 mm | Net weight | 42 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### Technical data customisable plug-in connectors

| | | |
|---|---|---|
| Number of poles | 4 | |
| Coding | A | |
| Contact surface | Ni/Au | |
| LED | No | |
| Type of connection | PUSH IN | |
| Housing main material | PA 66 | |
| Insulation resistance | ≥ 100 MΩ | |
| Cable diameter, max. | 8 mm | |
| Cable diameter, min. | 4 mm | |
| Conductor cross-section, max. | 0.75 mm² | |
| Conductor cross-section, min. | 0.14 mm² | |
| Nominal voltage | 48 V | |
| Nominal current | 4 A | |
| Protection degree | IP67 | |
| Plugging cycles | ≥ 100 | |
| Pollution severity | 3 | |
| Gender of contact | Female | |
| Rated voltage | Rated voltage | 48 V |
| | Voltage type | AC |
| | Rated voltage | 60 V |
| | Voltage type | DC |
| Shield connection | Yes | |
| Threaded ring material | Diecast zinc | |
| Temperature range of housing | -40 … +85 ° C | |
| Mounting position, installation notice | The connector pin assignment can be rotated 45° to the cable outlet | |

### General Info

| | | | |
|---|---|---|---|
| Number of poles | 4 | Connection 1 | M12 |
| Connection 2 | PUSH IN | UL 94 flammability rating | V-0 |
| Housing main material | PA 66 | Connection thread | M12 |
| Contact surface | Ni/Au | Wire connection cross section, finely stranded, min. | 0.14 mm² |

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| | | | |
|---|---|---|---|
| Wire connection cross-section, finely stranded, max. | 0.75 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.08 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 0.5 mm² | Wire cross-section, solid, min. | 0.14 mm² |
| Wire cross-section, solid, max. | 0.75 mm² | Protection degree | IP67 |
| Plugging cycles | ≥ 100 | | |

### Standards

| | | | |
|---|---|---|---|
| Connector standard | IEC 61076-2-101 | Fire safety for railway vehicles | DIN EN 45545-2 |
| 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 | | |

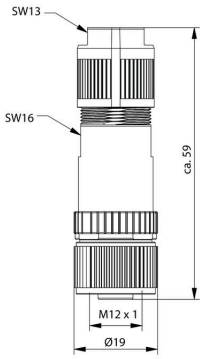
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## Drawings

### Drawing




### Pole scheme

