

SAI-8-M 5P M12 NPN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



M12 distributors are available in various versions. The 4, 6 or 8 M12 slots are in 4 or 5 pole design. The group outlet is designed as a fixed cable version, hood version for connection by the user, or with M23. Special versions are also available. For instance, there are 1-to-1 distributors for use with any connection types, or distributors approved for Ex Zone 1.

General ordering data

| | |
|------------|--|
| Version | SAI Passive, Sensor-actuator passive distributor, M12, Hood version, Yes |
| Order No. | 1781060000 |
| Type | SAI-8-M 5P M12 NPN |
| GTIN (EAN) | 4032248169405 |
| Qty. | 1 pc(s). |

Creation date December 14, 2022 12:55:02 PM CET

Catalogue status 02.12.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | |
|------------|-------|
| Net weight | 276 g |
|------------|-------|

Temperatures

| | |
|-----------------------|------------|
| Operating temperature | -20 - 90°C |
|-----------------------|------------|

Connection data

| | | | |
|----------------------------|----------------------|----------------------|---------------------|
| Conductor O.D., min. | 6 mm | Conductor O.D., max. | 12 mm |
| Sheathing stripping length | 100 mm | Cable glands | M 20 |
| Clamping range, min. | 0.08 mm ² | Clamping range, max. | 1.5 mm ² |
| Storage space | Standard | Distributor outlet | Hood version |
| Connection type PE | Screw connection | | |

Electrical data

| | | | |
|--------------------------------|------|---|-------------------|
| Rated voltage, min. | 10 V | Rated voltage, max. | 30 V |
| Test voltage | 1 kV | Max. current-carrying capacity per slot | 4 A |
| Total current | 10 A | Current per signal | 2 A |
| Electrical isolation available | Yes | Insulation strength | 10 ⁹ Ω |

General technical data

| | | | |
|-------------------------------------|-------|-----------------------------|--------|
| Plug-in station coding | A | Protection degree | IP68 |
| Number of poles | 5 | Number of contact sockets | 8 |
| Connection thread | M12 | Pollution severity | 3 |
| Fire behaviour | V-0 | Plugging cycles | ≤ 50 |
| LED | Yes | LED initiator | Yes |
| LED colour for indicating operation | green | LED colour for I/O function | yellow |

Material data

| | | | |
|-----------------------|--------------------|--------------------------|----------------|
| Housing main material | Pocan | Material of distributor | Plastic |
| Housing colour | grey, RAL 7032 | Hood sealing material | Viton |
| Screw socket | Nickel-plated CuZn | Contact material | CuZn |
| Contact surface | Gold-plated | Contact carrier material | PBT (UL 94 V0) |

Technical data cable

| | | | |
|----------------------|-------|-----------------------------|------|
| Conductor O.D., max. | 12 mm | Conductor O.D., min. | 6 mm |
| Number of poles | 5 | Suitable for cable carriers | No |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002585 | ETIM 7.0 | EC003558 |
| ETIM 8.0 | EC003558 | ECLASS 9.0 | 27-44-01-08 |
| ECLASS 9.1 | 27-44-01-08 | ECLASS 10.0 | 27-44-01-11 |
| ECLASS 11.0 | 27-44-01-11 | ECLASS 12.0 | 27-44-01-11 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

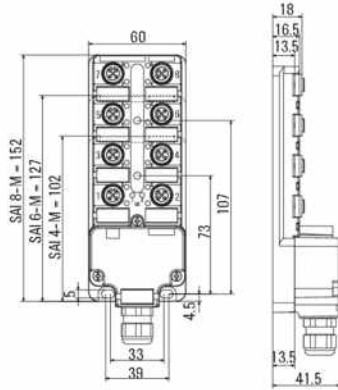
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Drawings

Dimensioned drawing



Wiring diagram

