

SAI-4-MMS 5P M12

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Some applications require complete shielding from the sensor to the control. Our metal SAI distributors achieve this complete shielding. EMC glands are included with the distributors. Initiator LEDs are omitted.

They are available in 4- and 8-way M12 versions with 5 or 10 m cables. In addition, these distributors can be used in harsh environments e.g. in the vicinity of welding plant. Hoods with a generous connection space available so that they can be provided with a standard gland up to M25.

- no EMC problems,
- high resistance to chemical or mechanical influences,
- standard fixing dimensions.

General ordering data

| | |
|------------|--|
| Version | SAI Passive, Sensor-actuator passive distributor, M12, Hood version, Yes |
| Order No. | 1783520000 |
| Type | SAI-4-MMS 5P M12 |
| GTIN (EAN) | 4032248184620 |
| Qty. | 1 pc(s). |

Creation date September 16, 2022 11:17:46 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 102 mm | Depth (inches) | 4.016 inch |
| Height | 43 mm | Height (inches) | 1.693 inch |
| Width | 60 mm | Width (inches) | 2.362 inch |
| Net weight | 603 g | | |

Temperatures

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

Environmental Product Compliance

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

Connection data

| | | | |
|----------------------|----------------------|----------------------|---------------------|
| Conductor O.D., min. | 10 mm | Conductor O.D., max. | 14 mm |
| 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 | 4 |
| Connection thread | M12 | Pollution severity | 3 |
| Fire behaviour | V-0 | Plugging cycles | ≤ 50 |
| LED | Yes | LED initiator | No |

Material data

| | | | |
|-----------------------|--------------------|--------------------------|---------------------|
| Housing main material | Zinc diecast | Material of distributor | metal |
| Housing colour | silver | Hood sealing material | Polyurethane foamed |
| 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. | 14 mm | Conductor O.D., min. | 10 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 |

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Technical data**Approvals**

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E141197 |

Downloads

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

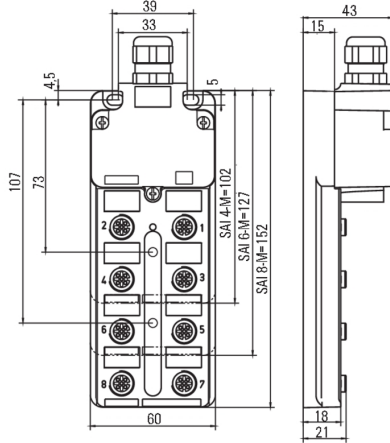
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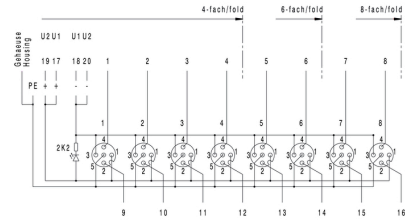
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Drawings

Dimensioned drawing



Wiring diagram



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