

SAI-8-FMM-4P M12 10M

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, Fixed cable version, 10 m, No |
| Order No. | 9456760002 |
| Type | SAI-8-FMM-4P M12 10M |
| GTIN (EAN) | 4032248256303 |
| Qty. | 3 pc(s). |

Creation date March 30, 2021 1:19:34 AM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

SAI-8-FMM-4P M12 10M**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|----------------|-------------|-----------------|------------|
| Depth | 152 mm | Depth (inches) | 5.984 inch |
| Height | 26.15 mm | Height (inches) | 1.03 inch |
| Net weight | 1.607.667 g | Width | 60 mm |
| Width (inches) | 2.362 inch | | |

Temperatures

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

Environmental Product Compliance

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

Connection data

| | | | |
|----------------------------|--------|--------------------|---------------------|
| Sheathing stripping length | 100 mm | Distributor outlet | Fixed cable version |
|----------------------------|--------|--------------------|---------------------|

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 | 9 A | Current per signal | 2 A |
| Electrical isolation available | No | Insulation strength | 10 ⁹ Ω |

General technical data

| | | | |
|------------------------|-----|---------------------------|------|
| Plug-in station coding | A | Protection degree | IP68 |
| Number of poles | 4 | Number of contact sockets | 8 |
| Connection thread | M12 | Pollution severity | 3 |
| Fire behaviour | V-0 | Plugging cycles | ≤ 50 |
| LED | 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

| | | | |
|-----------------|---|------------------------------|--|
| Bending cycles | 2 Mio | Bending radius, min., moving | 10 x cable diameter |
| Colour coding | white, black, green, yellow, grey, pink, red, violet, blue, brown, Green/yellow | Halogen | No |
| Number of poles | 4 | O.D. | 8.2 mm |
| Sheath material | PUR | Sheathing colour | black |
| Shielded | No | Wire cross section | 8 x 0.34 mm ² + 3 x 1.0 mm ² |
| Cable length | 10 m | Suitable for cable carriers | Yes |

SAI-8-FMM-4P M12 10M

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002585 | ETIM 7.0 | EC002585 |
| ECLASS 9.0 | 27-44-01-08 | ECLASS 9.1 | 27-44-01-08 |
| ECLASS 10.0 | 27-44-01-08 | ECLASS 11.0 | 27-44-01-08 |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|------------------|-----------------------|
| Engineering Data | STEP |
| Engineering Data | WSCAD |

Data sheet

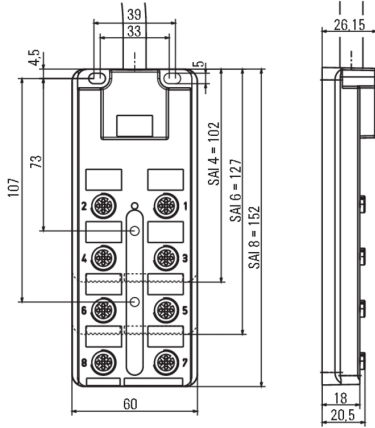
SAI-8-FMM-4P M12 10M

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Drawings

Dimensioned drawing



Wiring diagram

