

SAI Passive
SAI-6-M 5P M12

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

| | |
|------------|--|
| Type | SAI-6-M 5P M12 |
| Order No. | 1701240000 |
| Version | SAI Passive, Sensor-actuator passive distributor, M12, Hood version, Yes |
| GTIN (EAN) | 4008190949747 |
| Qty. | 1 pc(s). |

**SAI Passive
SAI-6-M 5P M12**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|------------|--------|-----------------|--------|
| Length | 127 mm | Length (inches) | 5 inch |
| Net weight | 235 g | | |

Temperatures

| | | | |
|-----------------------------------|------------|-----------------------------------|--------|
| Operating temperature range, max. | 90 °C | Operating temperature range, min. | -20 °C |
| Operating temperature, max. | 90 °C | Operating temperature, min. | -20 °C |
| Operating temperature | -20 - 90°C | | |

Environmental Product Compliance

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

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 | | |

Standards

| | | | |
|-----------------------|----------|-------------------------|---------|
| Certificate No. (CSA) | 53975-21 | Certificate No. (cURus) | E141197 |
|-----------------------|----------|-------------------------|---------|

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

| | | | |
|-----------------------------|--------|-------------------------------------|-------|
| Protection degree | IP68 | No. of poles | 5 |
| Number of contact sockets | 6 | 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

| | | | |
|----------------------|-------|----------------------|------|
| No. of poles | 5 | Conductor O.D., min. | 6 mm |
| Conductor O.D., max. | 12 mm | | |

Data sheet

**SAI Passive
SAI-6-M 5P M12**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001856 | ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 | ETIM 6.0 | EC002585 |
| UNSPSC | 30-21-18-01 | eClass 6.2 | 27-06-91-90 |
| eClass 7.1 | 27-06-91-90 | eClass 8.1 | 27-06-91-90 |
| eClass 9.0 | 27-06-91-90 | eClass 9.1 | 27-44-01-08 |

Approvals

Approvals



ROHS

Conform

Downloads

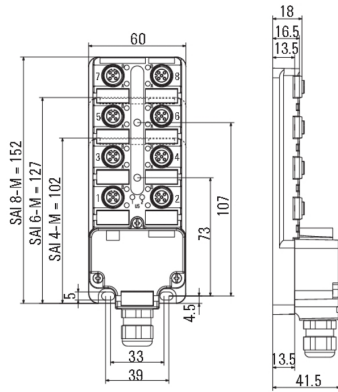
| | |
|--------------------|---|
| Brochure/Catalogue | CAT 8 SAI 15/16 EN FL FIELDWIRING EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |

**SAI Passive
SAI-6-M 5P M12**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings

Dimensioned drawing



Wiring diagram

