

SAIL-M12BW-4-2.5TOV

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

www.weidmueller.com

Product image



General ordering data

| | |
|------------|---|
| Version | Sensor/actuator line, M12, Number of poles : 4, 2.5 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2812540250 |
| Type | SAIL-M12BW-4-2.5TOV |
| GTIN (EAN) | 4064675343011 |
| Qty. | 1 items |

SAIL-M12BW-4-2.5TOV

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

www.weidmueller.com

Technical data

Approvals

Approvals



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

Dimensions and weights

| | |
|------------|-------|
| Net weight | 120 g |
|------------|-------|

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | bd63baef-8092-4596-90c7-5b4daa22710b |

Technical specifications for cable

| | | | |
|--------------------------------------|-----------------------|--|---------------------------|
| Cable length | 2.5 m | Sheathing colour | orange |
| Suitable for cable carriers | Yes | Core cross-section | 0.34 mm ² |
| Shielded | No | Halogen | No |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Bending cycles | 10 Mio | Sheath material | PUR |
| LABS-free | Yes | Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V) |
| Core in accordance with UL AWM style | 10995 (80 °C / 300 V) | Irradiation crosslinked | No |
| Welding spark resistance | Yes | Colour coding | brown, blue, black, white |
| Torsion resistance | 360 °/m | Temperature range, stationary | -40...80 °C |
| Resistant to welding beads | Yes | Temperature range, moving | -25...80 °C |
| Number of poles | 4 | Outside diameter | 4.9 mm ± 0.2 mm |

General technical data

| | | | |
|--------------------|----------------|------------------------------|--|
| Coding | A-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | Socket, angled | Housing main material | PUR |
| Nominal voltage | 24 V | Nominal current | 4 A |
| AF size | 12 mm | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Pollution severity | 3 | Temperature range of housing | -25...+85 °C |

Electrical properties

| | |
|-----------------|------|
| Nominal voltage | 24 V |
|-----------------|------|

General standards

| | |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

SAIL-M12BW-4-2.5TOV

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

www.weidmueller.com

Technical data**Plug, left**

| | |
|-----------|--|
| Plug left | M12, A-coded, IP68, female contact, angled 90°, Plastic, LED |
|-----------|--|

Plug, right

| | |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001855 | ETIM 9.0 | EC001855 |
| ETIM 10.0 | EC001855 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 | | |

SAIL-M12BW-4-2.5TOV

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

www.weidmueller.com

Drawings

Detailed drawing



Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F