Weidmüller ⋺Ξ

SAIL-M8BW-3-30U

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, One end without connector, M8, Number of poles : 3, 30 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9457383000
Type	SAIL-M8BW-3-30U
GTIN (EAN)	4050118325058
Qty.	1 pc(s).

Creation date July 16, 2024 11:23:42 PM CEST

SAIL-M8BW-3-30U

Technical data

Dimensions and weights

Net weight	714 g

Technical specifications for cable

Acceleration	5 m/s²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	30 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	4.1 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	5 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Torsion resistance	360 °/m	Welding spark resistance	No

General technical data

Coding	A-coded	Connection thread	M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10^8 Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP69, IP65, IP66	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-25...+85 °C
Threaded ring material	Brass, nickel-plated	Version	Socket, angled
jumpered	No		

Electrical properties

Insulation strength	10^8 Ω	Rated voltage	60 V

General standards

Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-104

Standards

Connector standard	IEC 61076-2-104

Plug, left

Plug left	M8, IP69, female contact, angled 90°, Plastic, un-shielded

SAIL-M8BW-3-30U

Technical data

Plug, right

Plug right	free conductor end

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ECLASS 9.0	27-06-03-11	ECLASS 9.1	27-06-03-11
ECLASS 10.0	27-06-03-11	ECLASS 11.0	27-06-03-11
ECLASS 12.0	27-06-03-11	ECLASS 13.0	27-06-03-11

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

Approvals	

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

Downloads

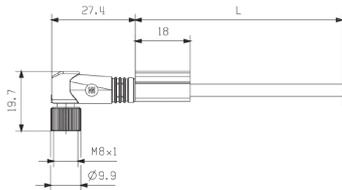|	
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

Creation date July 16, 2024 11:23:42 PM CEST

Catalogue status 13.07.2024 / We reserve the right to make technical changes.

3

SAIL-M8BW-3-30U

Drawings

Dimensioned drawing

Angled socket

Wiring diagram

1	+	brown
4		black
3	–	blue

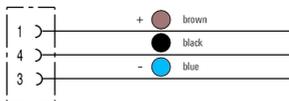### Pole scheme
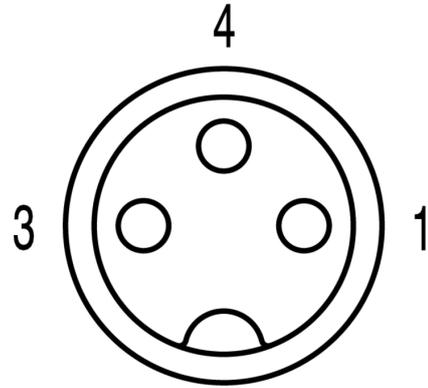
Socket

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

Creation date July 16, 2024 11:23:42 PM CEST