Data sheet

SAIH-ETHERCAT-4X0.15PUR

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

www.weidmueller.com

Similar to illustration

Weidmüller offers a large and comprehensive range of sensor-actuator cables. We provide both, sensor cables as well as bus and valve cables of various sizes and lengths. If you cannot find a specific product or a product in the desired length, just contact us.

General ordering data

Version	Bus line, Number of poles: 4, 100 m, Shielded: Yes, Sheath material: PUR, Halogen: halogen-free, according to IEC 60754-1
Order No.	1327090000
Type	SAIH-ETHERCAT-4X0.15PUR
GTIN (EAN)	4050118131413
Qty.	1 items

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Technical data

Approvals

Approvals	CE UKCA
ROHS	Conform

Dimensions and weights

Net weight	2476.32 g

Temperatures

Installation temperature	-20... +60 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

Cable length	100 m	Sheathing colour	green
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.15 mm²	Number of wires	4
Shielded	Yes	Halogen	halogen-free, according to IEC 60754-1
Insulation	PP	Acceleration	5 m/s²
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Bending cycles	5 Mio	Resistance to spread of flame	in accordance with IEC 60332-1-2
Speed	180 m/min	Sheath material	PUR
Configurable cable length	No	Outer cladding in accordance with UL AWM style	20963 (80 °C / 30 V)
Hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min
Colour coding	blue, white / blue, orange, white / orange	Torsion resistance	30 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Temperature range, moving	-30...70 °C	Number of poles	4
Outside diameter	4.65 mm ± 0.15 mm		

Cable specific standards

Impervious to smoke	According to IEC 61034

Standards

Impervious to smoke	According to IEC 61034

Cable structure

Sheathing colour	green	Number of wires	4
Insulation	PP	Material sheath	PUR

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Arrangement of wire cores	Star-quad	Wire core insulation thickness	1 mm
Colour coding	blue, white / blue, orange, white / orange	Complete shielding	Shielding braid made from copper wiring
Wire material	Copper	Sheathing material thickness	0.7 mm

Electrical properties of cable

Operating voltage	125 V	Category	Cat. 5e
Speed	180 m/min	Capacity at 1 kHz	3.4 nF/km
Signal propagation time	5.55 ns/m	Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min
Transfer impedance	50 mΩ/m at 10 MHz	Characteristic impedance	100 ± 5 Ω at 100MHz

Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811:404	UV-resistant	No
Halogen	halogen-free, according to IEC 60754-1	Acceleration	5 m/s²
Bending cycles	5 Mio	Resistance to spread of flame	in accordance with IEC 60332-1-2
Speed	180 m/min	Torsion resistance	30 °/m
Impervious to smoke	According to IEC 61034		

Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

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Drawings

Pole scheme