Data sheet

IE-C5ES8VB0003N40N40-B-K6KV

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

www.weidmueller.com

Product image

Assembled cables with 2x RJ45, suitable for smart metering applications, different colors in accordance with DIN VDE 0603-100. Short plugs and cables with small bending radius for tight spaces, plug housing with circumferential insulation allow protection class IP30 in mated condition.

General ordering data

Version	Patch cable, RJ45 IP30 (plugged), RJ45 IP30 (plugged), Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 0.3 m, , straight, 6 kV
Order No.	2813820003
Type	IE-C5ES8VB0003N40N40-B-K6KV
GTIN (EAN)	4064675297895
Qty.	1 items

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Technical data

Approvals

Approvals	CE
ROHS	Conform

Dimensions and weights

Length	0.3 m	Length (inches)	11.811 inch
Net weight	22 g		

Temperatures

Storage temperature		Operating temperature	-20 °C...70 °C
Installation temperature	0 °C...50 °C		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Electrical properties

Operating voltage	125 V	PoE / PoE+	conforming to IEEE 802.3at

General standards

Connector standard	IEC 60603-7-51	Application-specific communication cable facilities	VDE-AR-N 4100:2019-04

Standards

Connector standard	IEC 60603-7-51

Cable structure

Sheath diameter	5.5 mm	Sheathing colour	blue
Cross-section	4x2xAWG 26/7. 4x2x0.128 mm²	Shielding	SF/UTP
Number of wires	8	Insulation cross-section	1 mm
Insulation	PE	Material sheath	PVC
Cable layout	Double insulation according to VDE 0603-100	Colour coding	white / blue, white / orange, white / green, white / brown
Complete shielding	Shielding braid made from copper wiring, Aluminium foil		

Electrical properties of cable

Rated impulse withstand voltage	6 kV	Operating voltage	125 V
Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Signal propagation time	5.1 ns/m

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Mechanical and material properties of cable

Resistance to oils	No	Colour	blue (RAL 5015)
Halogen	yes (PVC cable)	Min. bending radius, once only	5 x cable diameter
Bending radius	4 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1-2

Plug

Plug right	RJ45, IP30 (plugged), male contact, straight, plug, shielded	Plug left	RJ45, IP30 (plugged), male contact, straight, plug, shielded

Plug, left

Plug left	RJ45, IP30 (plugged), male contact, straight, plug, shielded

Plug, right

Plug right	RJ45, IP30 (plugged), male contact, straight, plug, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

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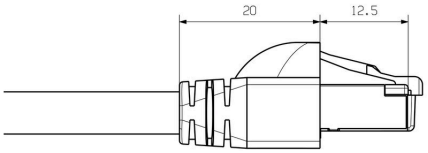
Drawings



Wiring