

IE-C5ES8VB0002N40N40-B-K6KV**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Order No.	2813820002
Type	IE-C5ES8VB0002N40N40-B-K6KV
GTIN (EAN)	4099986861121
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	0.2 m	Length (inches)	7.874 inch
Net weight	25 g		

Temperatures

Installation temperature	0 °C...50 °C
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Electrical properties

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

Connector standard	IEC 60603-7-51
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Standards

Connector standard	IEC 60603-7-51
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Cable structure

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	Cross-section	4x2xAWG 26/7. 4x2x0.128 mm ²
Insulation	PE	Insulation cross-section	1 mm
Material sheath	PVC	Number of wires	8
Sheath diameter	5.5 mm	Sheathing colour	blue
Shielding	SF/UTP		

Electrical properties of cable

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

Mechanical and material properties of cable

Bending radius	4 x cable diameter	Colour	blue (RAL 5015)
Min. bending radius, once only	5 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1-2

Plug

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

Plug left	RJ45, IP30 (plugged), male contact, straight, plug, shielded
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Creation date May 11, 2025 10:21:12 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Plug, right**

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

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 9.0	27-06-03-08
ECLASS 9.1	27-06-03-08	ECLASS 10.0	27-06-03-08
ECLASS 11.0	27-06-03-08	ECLASS 12.0	27-06-03-08
ECLASS 13.0	27-06-03-08	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

Environmental Product Compliance

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
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ROHS	Conform
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Downloads

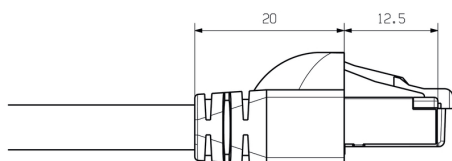
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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www.weidmueller.com**Drawings****Wiring**

RJ45	1	red	1	RJ45
	2	orange	2	
	3	black	3	
	4	blue	4	
	5	white	5	
	6	green	6	
	7	yellow	7	
	8	brown	8	