

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 pc(s).

IE-C5ES8VB0003N40N40-B-K6KV

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

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

Temperatures

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

Electrical properties

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

General standards

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

Standards

Connector standard	IEC 60603-7-51
--------------------	----------------

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
-----------	--	------------	--

IE-C5ES8VB0003N40N40-B-K6KV

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Plug, left

Plug left

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

Plug, right

Contact surface

Au $\geq 0.8 \mu\text{m}$

Plug right

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

Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	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

Approvals

Approvals



ROHS

Conform

Downloads

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

IE-C5ES8VB0003N40N40-B-K6KV**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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	