

IE-C5DS4VG0200MCAA70-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, PROFINET, Cat. 5, PVC, green

General ordering data

Version	System cable, M12 D-code – IP 67 angled pin, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), 20 m
Order No.	1134610200
Type	IE-C5DS4VG0200MCAA70-E
GTIN (EAN)	4032248964291
Qty.	1 pc(s).
Available until	2014-05-20

Creation date July 25, 2024 2:16:38 AM CEST

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

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Technical data

Dimensions and weights

Length	20 m	Length (inches)	787.402 inch
Net weight	1,314 g		

Temperatures

Storage temperature	-40 °C...80 °C	Installation temperature	-40 °C...80 °C
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Cable specific standards

Standard, additional standards	UL-File E11901 Vol.1 Sec.12 Page 1, UL-File E116441 Vol.1 Sec.6 Page 8	Standard, assembly	UL-Style 21694
Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Standard, wire material	DIN EN 13602 Cu-ETP-A		

Standards

Standard, additional standards	UL-File E11901 Vol.1 Sec.12 Page 1, UL-File E116441 Vol.1 Sec.6 Page 8	Standard, assembly	UL-Style 21694
Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Standard, wire material	DIN EN 13602 Cu-ETP-A		

Cable structure

Arrangement of wire cores	Star-quad	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*AWG 22/7 - 0.32 mm ²
Diameter of inner sheathing	4.05 mm	Filler	As central element
Overlap of shielding braid	85 %	Sheath diameter, max.	6.7 mm
Sheath diameter, min.	6.3 mm	Sheathing colour	green (RAL 6018)
Sheathing material thickness	0.9 mm	Shielding	SF/UTP
Shielding braid thickness	0.13 mm	Standard designations	2YY(ST)CY 2x2x0.75/1.5-100 LI VZN GN
Strands	7	Wire material	Stranded tin-plated copper wire

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Characteristic impedance	100 ± 5 Ω at 100MHz
Loop resistance	120 Ω/km	Operating voltage (UL rating)	600 V
Operating voltage, UL	600 V	Test voltage: wire-wire-shield	2000 V _{eff} , 50 Hz, 1 min
Transfer impedance	20 mΩ/m at 10 MHz		

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Mechanical and material properties of cable

Abrasion resistance	good	Halogen	Yes
Min. bending radius, once only	3.5 *diameter	Min. bending radius, repetitive	7.5 x cable diameter
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685		

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
Product Change Notification	PCN-PB47-20230322-A-EN PCN-PB47-20230322-A-DE
Catalogues	Catalogues in PDF-format