

IE-C5DS4VG0030MCSS21-X

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



General ordering data

Version	System cable, M12 D-code – pin straight, RJ45 IP 67 bayonet V01 plastic, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 3 m
Order No.	1422010030
Type	IE-C5DS4VG0030MCSS21-X
GTIN (EAN)	4050118225778
Qty.	1 Stück

Erstellungs-Datum May 16, 2023 8:52:21 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

Dimensions and weights

Length	3 m	Length (inches)	118.11 inch
Net weight	274 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C
Installation temperature	-40 °C...80 °C		

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		

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
Insulation	PE	Insulation cross-section	1.5 mm
Material sheath	PVC	Number of wires	4
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)	Operating voltage	600 V
Operating voltage (UL rating)	600 V undefined	
Operating voltage, UL	600 V	
Signal propagation time	5.3 ns/m	
Test voltage: wire-wire-shield	2000 V _{eff} , 50 Hz, 1 min	
Transfer impedance	20 mΩ/m at 10 MHz	

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		

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Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	ff4adb94-ad1f-44aa-8dfa-9a857cafeb77

Approvals

ROHS	Conform
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Downloads

User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
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