Data sheet

IE-C5DS4VG0005MCSMCS-E

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

www.weidmueller.com



Assembled IE cables, PROFINET, Cat. 5, PVC, green, M12

General ordering data

Version	System cable, M12 D-code – IP 67 straight pin, M12 D-code – IP 67 straight pin, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), 0.5 m
Order No.	1102190005
Type	IE-C5DS4VG0005MCSMCS-E
GTIN (EAN)	4032248993130
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

Dimensions and weights

Length	0.5 m	Length (inches)	19.685 inch
Net weight	61.3 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	
Installation temperature	-40 °C...80 °C		

Environmental Product Compliance

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

Cable specific standards

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 21694	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B

General standards

Certificate no. (cULus)	E316369

Standards

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 21694	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	2YY(ST)CY 2x2x0,75/1,5-100 LI VZN GN	Cross-section	4*AWG 22/7 - 0.32 mm²
Shielding	SF/UTP	Sheath diameter, max.	6.7 mm
Sheath diameter, min.	6.3 mm	Filler	As central element

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Arrangement of wire cores	Star-quad	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Overlap of shielding braid	85 %	Wire material	Stranded tin-plated copper wire
Diameter of inner sheathing	4.05 mm	Sheathing material thickness	0.9 mm
Colour sequence or wires - wire pairs	white, yellow, blue, orange	Shielding braid thickness	0.13 mm

Electrical properties of cable

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

Mechanical and material properties of cable

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

Plug, left

Plug left	M12, D-coded, IP67, male contact, straight, plug, Plastic, shielded

Plug, right

Plug right	M12, D-coded, IP67, male contact, straight, plug, Plastic, 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

