

IE-C5DS4VG1000A20A20-E

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

www.weidmueller.com



General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
Order No.	1191011000
Type	IE-C5DS4VG1000A20A20-E
GTIN (EAN)	4050118069822
Qty.	1 Stück

Erstellungs-Datum May 16, 2023 8:47:04 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	6,900 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		

General standards

Certificate no. (cULus)	E316369
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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		

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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		

Plug

Plug	Cable side	left	
	Version of contact face	RJ45	
	Protection degree (IP)	IP20	
	Gender of contact	male contact	
	Outlet direction	straight	
	Version of connector	plug	
	Housing main material	Zinc diecast	
	Status indicator available	No	
	Shielding available	Yes	
	Cable side	right	
	Version of contact face	RJ45	
	Protection degree (IP)	IP20	
	Gender of contact	male contact	
	Outlet direction	straight	
	Version of connector	plug	
	Housing main material	Zinc diecast	
	Status indicator available	No	
	Shielding available	Yes	
	Plug left	RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded	
	Plug right	RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded	

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

Approvals

Approvals



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

Downloads

Engineering Data	CAD data – STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN

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