

**IE-C5DS4VG0050MCSMCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Industrial Ethernet connection technology by Weidmüller offers the optimal solution for the infrastructure of your machine, system or factory. All connection technology is available from one source.

The benefits for you:

- IEC-standardised connectors, in the variants 1, 4, 5, 6 and 14
- consistently Cat. 6<sub>A</sub> with **STEADYTEC**® technology
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

**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), PVC, 5 m
Order No.	<a href="#">1102190050</a>
Type	IE-C5DS4VG0050MCSMCS-E
GTIN (EAN)	4032248964864
Qty.	1 pc(s).
Available until	2013-12-06

Creation date January 20, 2022 4:28:17 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Length	5 m	Length (inches)	196.85 inch
Net weight	367 g		

**Temperatures**

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...70 °C
Installation temperature	-20 °C...60 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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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		

**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 - 0.36 mm <sup>2</sup>
Diameter of inner sheathing	3.9 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 ± 15 Ω at 1–100 MHz		
Insulation strength	500,000 Ω		
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 <sub>eff</sub> , 50 Hz, 1 min		
Transfer impedance	20 mΩ/m at 10 MHz		

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**Technical data****Mechanical and material properties of cable**

Abrasion resistance	good	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**

Connector left	M12 D-code – IP 67 straight pin	Connector right	M12 D-code – IP 67 straight pin
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**Rating**

Insulation strength	500,000 Ω
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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		

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E316369

**Downloads**

User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>

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