ModuPlug
HDC RJ4501 MMSCAT6-0020

Make your connections fit for the future With the advanced solutions from RockStar® ModuPlug

Industrial applications are becoming increasingly complex. The demands being made of the connectivity used are growing at the same time. Functionality in the smallest of installation spaces, safe installation and a fast retrofitting process are just some of the product properties being called for. Not only does our RockStar® ModuPlug modular plug-in connector system meet current market requirements; it has been specially designed with the future in mind too. Using the individual modules, you combine all the necessary functions for power, signal and data transmission in a single interface. Thanks to the new variety of module sizes, you can fit more applications than ever before in one plug-in connector. The modules reduce the amount of space required and cut costs when compared with fixed-pole inserts and other modular plug-in connector systems. The sophisticated frames and modules can be installed with extreme ease and integrated into HDC enclosures with the IP65 and IP68 protection classes. You can even use the RockStar® ModuPlug to supplement existing applications without any need to make system adjustments. As an experienced Industrial Connectivity partner, Weidmüller offers ultra-modern connectivity with maximum reliability. So you can create customised solutions for future-proof connections with RockStar® too.

General ordering data

Type	HDC RJ4501 MMSCAT6-0020
Order No.	2661950020
Version	
GTIN (EAN)	4050118675351
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	0.2 m	Length (inches)	0.008 inch
Net weight	9.88 g	Insulation cross-section	1.04 mm

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1		

Electrical properties

Current-carrying capacity at 50 °C	1 A	Operating voltage	48 V AC / DC
PoE / PoE+	conforming to IEEE 802.3at	Rated voltage	48 V

Standards

Application-specific communication cable facilities	ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007	Certificate no. (cULus)	E316369

Cable structure

Copper diameter	0.43 mm	Strands	7
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm²	Insulation	PE
Insulation cross-section	1.04 mm	Number of wires	8
Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding	S/FTP	Complete shielding	Shielding braid made from copper wiring
Overlap of shielding braid	60 %	Material sheath	LSZH
Sheath diameter, min.	5.5 mm	Sheath diameter, max.	5.9 mm
Sheathing colour	grey		

Electrical properties of cable

Category	Cat. 6A	Operating voltage	48 V AC / DC
Test voltage: wire-wire-shield	750 V DC, 1 min	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Deviation	25 ns/100m	Resistance differential	5 %
Capacity at 1 kHz	46 nF/km	Speed	10 GBit/s
Coupling resistance at 10 MHz	5 mΩ/m	Shield attenuation up to 1000 MHz	60 dB
Coupling attenuation up to 1000 MHz	80 dB	Separating class according to EN 50174-2	d

Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
eClass 9.0	27-06-03-07	eClass 9.1	27-06-03-08
eClass 10.0	27-06-03-07		

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Weidmüller ⋝Ξ

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Approvals

Approvals

c(UL)us LISTED

ROHS	Conform

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Drawings

RJ45			RJ45
1	white (orange)	1	
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

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