Weidmüller ϟϾ

HDC RJ4501 MMSCAT6-0040

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

Version	
Order No.	2661950040
Type	HDC RJ4501 MMSCAT6-0040
GTIN (EAN)	4050118675375
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	0.4 m	Length (inches)	15.748 inch
Net weight	19.76 g		

Electrical properties

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

Cable structure

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

Electrical properties of cable

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

Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ECLASS 9.0	27-06-03-07	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-07	ECLASS 11.0	27-06-03-07
ECLASS 12.0	27-06-03-07	ECLASS 13.0	27-06-03-07
ECLASS 14.0	27-06-03-07		

Environmental Product Compliance

REACH SVHC	/		
RoHS Compliance Status	Compliant without exemption		

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Technical data

Approvals

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

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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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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