INDUSTRIAL COMPONENT DATA

NBC-M12MSD/ 3,0-93B/M12MSD 1404306 PHOENIX CONTACT Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12MSD/ 3,0-93B/M12MSD



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-M12MSD/ 3,0-93B/M12MSD
Catalog number	1404306
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-F30DA0C454
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Product Overview

Network cable
Network cable, PROFINET CAT5 (100 MBit/s), EtherCAT® CAT5 (100 MBit/s), 4-pole, shielded (Advanced Shielding Technology), M12 straight connector, encoding: D / IP67, a M12 straight connector, encoding: D / IP67, cable length: 3 m

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Industrial Field Connectivity (IFC)

Additional Product Information

Key Commercial Data
Orderkey 1404306
Packing unit 1
GTIN 4046356690126
Custom tariff number 85444210
Mechanical characteristics
Number of positions 4
Insertion/withdrawal cycles >= 100
Length of cable 3 m
Degree of protection IP65/IP67/IP69K
No. of cable outlets 1
Ambient conditions
Ambient temperature (operation) -25 °C ... 60 °C (cable, fixed installation)

-5 °C ... 50 °C (cable, flexible installation)
Material data
Flammability rating according to UL 94 V0
Electrical characteristics
Transmission characteristics (category) CAT5 (IEC 11801:2002)
Standards and Regulations
Flammability rating according to UL 94 V0
Line characteristics
Cable type PROFINET PVC stranded CAT5
Cable abbreviation 2YY(ST)CY
UL AWM style 21694
Cable structure 1x4xAWG22/7; SF/TQ
Conductor cross section 4x 0.34 mm²
AWG signal line 22
Conductor structure signal line 7x 0.25 mm
Core diameter including insulation 1.55 mm
External cable diameter 6.5 mm ±0.2 mm
Wire colors White, yellow, blue, orange
External sheath, color green RAL 6018
Transmission medium Copper
Insulation resistance >= 500 M?*km
Wave impedance 100 ? ±15 ? (at 100 MHz)
Near end crosstalk attenuation (NEXT) 80 dB (with 1 MHz)
76 dB (at 4 ?Hz)
70 dB (at 10 MHz)
65 dB (at 16 MHz)
63 dB (at 20 ?Hz)
60 dB (at 31.25 ?Hz)
55 dB (at 62.5 ?Hz)
50 dB (at 100 MHz)
Wave attenuation 2.1 dB (with 1 MHz)
4 dB (at 4 ?Hz)
6.3 dB (at 10 MHz)
8 dB (at 16 MHz)
9 dB (at 20 ?Hz)
11.4 dB (at 31.25 ?Hz)
16.5 dB (at 62.5 ?Hz)
21.3 dB (at 100 MHz)
Signal speed 0.66....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12MSD/ 3,0-93B/M12MSD with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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