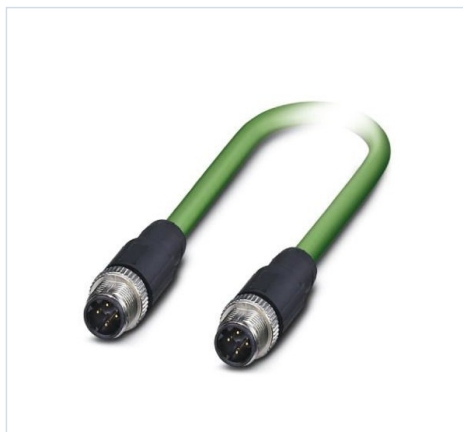


INDUSTRIAL COMPONENT DATA

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-B1FFD4131E
Generated	2026-08-04

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)
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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 $\geq 500 \text{ M}\Omega\cdot\text{km}$

Wave impedance $100 \Omega \pm 15 \Omega$ (at 100 MHz)

Near end crosstalk attenuation (NEXT) 80 dB (with 1 MHz)

76 dB (at 4 kHz)

70 dB (at 10 MHz)

65 dB (at 16 MHz)

63 dB (at 20 kHz)

60 dB (at 31.25 kHz)

55 dB (at 62.5 kHz)

50 dB (at 100 MHz)

Wave attenuation 2.1 dB (with 1 MHz)

4 dB (at 4 kHz)

6.3 dB (at 10 MHz)

8 dB (at 16 MHz)

9 dB (at 20 kHz)

11.4 dB (at 31.25 kHz)

16.5 dB (at 62.5 kHz)

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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