

INDUSTRIAL COMPONENT DATA

NBC-M12MSD/53,0-93R/R4AC 1079901 PHOENIX CONTACT

Network cable, PROFINET CAT5 (100 Mbps), EtherCAT

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12MSD/53,0-93R/R4AC



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-M12MSD/53,0-93R/R4AC
Catalog number	1079901
Category	Sensor-actuator patch cord
Minimum order	15 Pcs
Document ID	EO-764FD31D19
Generated	2026-08-03

Product Overview

Network cable, PROFINET CAT5 (100 Mbps), EtherCAT

Network cable, PROFINET CAT5 (100 MBit/s), EtherCAT® CAT5 (100 MBit/s), 4-pole, shielded, M12 straight connector, to RJ45 straight connector, cable length: 53 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 1079901

Packing unit 1

GTIN 4055626802152

Custom tariff number 85444290

Drawings

Ambient conditions

Characteristics head 2

Cable

Dimensions

General data

Standards and Regulations

Classifications

Drawings

Dimensional drawing

Plug, M12 x 1, straight, shielded

Dimensional drawing

RJ45 connector, IP20

Circuit diagram

Contact assignment of the M12 and RJ45 plug

Schematic diagram

Pin assignment M12 male connector, 4-pos., D-coded, male side

Schematic diagram

Connector pin assignment plug RJ45

Cable cross section

PROFINET robot CAT5 [93R]

[Back to top](#)Dimensions

Length of cable 53 m

[Back to top](#)Ambient conditions

Degree of protection IP65 (M12 connector)

IP67 (M12 connector)

IP20 (RJ45 connector)

Ambient temperature (operation) -25 °C ... 85 °C (M12 connector)

-25 °C ... 80 °C (RJ45 connector)

[Back to top](#)General data

Rated current at 40°C 1 A

Rated voltage 48 V AC

60 V DC

Number of positions 4

Signal type/category PROFINET CAT5 (IEC 11801), 100 Mbps

EtherCAT®CAT5 (IEC 11801), 100 Mbps

Standards/regulations M12 connector IEC 61076-2-101

[Back to top](#)Characteristics head 2

Color black

[Back to top](#)Standards and Regulations

Standards/specifications M12 connector IEC 61076-2-101

[Back to top](#)Cable

Cable type PROFINET robot CAT5

Cable type (abbreviation) 93R

UL AWM style 20233 (80°C/300 V)

Signal type/category PROFINET CAT5 (IEC 11801), 100 Mbps

EtherCAT®CAT5 (IEC 11801), 100 Mbps

Cable structure 1x4xAWG22/19; S/TQ

Conductor cross section 4x 0.34 mm²

AWG signal line....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12MSD/53,0-93R/R4AC 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.