

INDUSTRIAL COMPONENT DATA

XS5FR-D423-D80-RB1 XS5F0151D XS5FRD423D80RB1

OMRON Cable M12 4 female straight PUR Resistant to oil 2m

Brand: OMRON | Manufacturer Part Number: XS5FR-D423-D80-RB1



Manufacturer	OMRON
MPN / Reference	XS5FR-D423-D80-RB1
Catalog number	XS5FRD423D80RB1
Category	Sensor-actuator patch cord
Minimum order	2 Pcs
Document ID	EO-F64EDDAB72
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Product Overview

Cable M12 4 female straight PUR Resistant to oil 2m

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PA oil-resistant cable with fluororesin sheath, IP67/IP67G, 2 m

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path	OMRON > Proximity Sensors > Accessories
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Additional Product Information

FeaturesSmartclick Oil-resistance Connectors with Improved Oil Resistance

Smartclick Oil-resistance Connectors with Improved Oil Resistance

Fluororesin Cable That Withstands Cutting Oil

Structured to provide greater oil resistance

A newly developed lock mechanism that is compatible with round M12 connectors

Insert the connector and turn approx. 1/8 turn to complete the connection and block the infiltration of oil

A positive click indicates locking

IP67G degree of protection

Ordering information

Socket on One Cable End

Type

Cable outer diameter (mm)

No. of conductors

Cable lenght (m)

Order code

Socket on One Cable End

4 dia.

4

2

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5

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Socket and Plug on Cable Ends

Type

Cable outer diameter (mm)

No. of conductors

Cable lenght (m)

Order code

Socket and Plug on Cable Ends

4 dia.

4

2

XS5WR-D425-D81-RB1

5

XS5WR-D425-G81-RB1

Ratings and Specifications

Item

XS5FR-D423-__

XS5WR-D425-__

Rated current

1 A for 4-mm dia. (AWG24)

Rated voltage

30 VDC

Contact resistance (connector)

40 m Ω max. (20 mV max., 10 mA max.)

Insulation resistance

1,000 m Ω min. (at 500 VDC)

Dielectric strength (connector)

1,500 VAC for 1 min (leakage current: 1 mA max.)

Degree of protection

IP67 (IEC 60529) and IP67G (JIS C0920 Annex 1)1

Insertion tolerance

50 times min.

Lock strength

Tensile: 100 N/15 s, Torsion: 1 N · m/15 s

Cable holding strength

Tensile: 100 N/15 s

Lock operating force

0.1 to 25 N · m

Ambient operating temperature range

0 to 55°C

Ambient humidity range

20% to 85%...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / XS5FR-D423-D80-RB1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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