INDUSTRIAL COMPONENT DATA

# SAC-5P-M12MRL/10,0-290 FE 1424600 PHOENIX CONTACT Power cable

**Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MRL/10,0-290 FE**



| | |
|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | SAC-5P-M12MRL/10,0-290 FE |
| Catalog number | 1424600 |
| Category | Sensor-actuator patch cord |
| Minimum order | 1 Pcs |
| Document ID | EO-ECD401039C |
| Generated | 2026-11-19 |

## Product Overview

Power cable
Power cable, 5-pole halogen-free, M12 angled connector, coding: L, to free cable end, cable length: 10 m, for direct current up to 12 A/63 V
Power cable, 5-position, PUR halogen-free, gray RAL 7001, Plug angled M12, coding: L, on free cable end, cable length: 10 m, For direct current up to 12 A/63 V

STRUCTURED PRODUCT DATA

## Technical Specifications

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

## Classification & Catalog Path

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|---|---|
| Catalog path | PHOENIX CONTACT > Industrial Field Connectivity (IFC) |

## Additional Product Information

Technical dataProduct propertiesProduct type Power cable
Application Power supply
Number of positions 5
No. of cable outlets 1
Shielded no
Coding L
Data management status
Article revision 06
Insulation characteristics
Overvoltage category III
Degree of pollution 3

Material specificationsFlammability rating according to UL 94 V0
Material of grip body PP
Contact material CuZn
Contact surface material Ni/Au
Contact carrier material PA
Material for screw connection Zinc die-cast, nickel-plated
Electrical propertiesInsulation resistance >= 100 M?
Nominal voltage UN 63 V DC
Nominal current IN 12 A
Mechanical propertiesMechanical data
Insertion/withdrawal cycles >= 100
ConnectorConnection 1
Type Plug angled M12
Coding type L (Power)
Connection 2
Type free cable end
Cable/lineCable length 10 m
PUR halogen-free gray [290]
Dimensional drawing
Cable weight 127 kg/km
UL AWM Style 20233 / 10493 (80°C/300 V)
Number of positions 5
Shielded no
Cable type PUR halogen-free gray [290]
Conductor cross section 5x 1.5 mm²
Wire diameter incl. insulation 2.35 mm ±0.05 mm
External cable diameter 9.10 mm ±0.25 mm
Outer sheath, material PUR
External sheath, color gray RAL 7001
Conductor material Bare Cu litz wires
Material wire insulation PP
Single wire, color brown, white, blue, black, pink
Thickness, insulation >= 0.25 mm
Thickness, outer sheath approx. 1.30 mm
Max. conductor resistance <= 13 ?/km (at 20 °C)
Insulation resistance >= 1 G?*km (at 20 °C)
Nominal voltage, cable <= 300 V AC
Test voltage >= 3000...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MRL/10,0-290 FE 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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