INDUSTRIAL COMPONENT DATA

SAC-5P- 1,5-290/M12FRL FE 1424605 PHOENIX CONTACT Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-1,5-290/M12FRL FE



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-1,5-290/M12FRL FE
Catalog number	1424605
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-066F7917EC
Generated	2026-11-19

Product Overview

Power cable
Power cable, 5-pole halogen-free, free cable end, to Elbowed Female M12, coding: L, cable length: 1.5 m, for direct current up to 12 A/63 V
Power cable, 5-position, PUR halogen-free, gray RAL 7001, free cable end, on Socket angled M12, coding: L, cable length: 1.5 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

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 07
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 free cable end
Connection 2
Type Socket angled M12
Coding type L (Power)
Cable/lineCable length 1.5 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 >= 3...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-1,5-290/M12FRL 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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