

**INDUSTRIAL COMPONENT DATA**

# SAC-5P-M12MSL/ 1,5-280 FE SH 1414884 PHOENIX CONTACT

## Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MSL/ 1,5-280 FE SH



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | SAC-5P-M12MSL/ 1,5-280 FE SH |
| Catalog number  | 1414884                      |
| Category        | Sensor-actuator patch cord   |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-746673ED0D                |
| Generated       | 2026-08-04                   |

## Product Overview

Power cable

Power cable, 5-pole halogen-free, shielded (Advanced Shielding Technology), Straight M12 connector, coding: L, to free cable end, cable length: 1.5 m, for direct current up to 16 A / 63 V

Power cable, 5-position, PUR halogen-free, gray RAL 7001, shielded (Advanced Shielding Technology), Plug straight M12, coding: L, on free cable end, cable length: 1.5 m, for direct current up to 16 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 yes

Coding L

Data management status

Article revision 06

Insulation characteristics

Overvoltage category III

Degree of pollution 3

Material specifications Flammability 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 properties Insulation resistance  $\geq 100 \text{ M}\Omega$

Nominal voltage UN 63 V DC

Nominal current IN 16 A

Mechanical properties Mechanical data

Insertion/withdrawal cycles  $\geq 100$

Connector Connection 1

Type Plug straight M12

Coding type L (Power)

Connection 2

Type free cable end

Cable/line Cable length 1.5 m

PUR halogen-free gray [280]

Dimensional drawing

Cable weight 202 kg/km

UL AWM Style 20233 / 10493 (80°C/300 V)

Number of positions 5

Shielded yes

Cable type PUR halogen-free gray [280]

Conductor cross section  $5 \times 2.5 \text{ mm}^2$

Wire diameter incl. insulation  $2.85 \text{ mm} \pm 0.1 \text{ mm}$

External cable diameter  $10.40 \text{ mm} \pm 0.3 \text{ mm}$

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  $\geq 0.31 \text{ mm}$

Thickness, outer sheath approx.  $0.76 \text{ mm}$

Max. conductor resistance  $\leq 8 \text{ m}\Omega/\text{km}$  (at  $20^\circ\text{C}$ )

Insulation resistance  $\geq 1 \text{ G}\Omega\cdot\text{km}$  (at  $20^\circ\text{C}$ )

Nominal voltage, cable  $\leq 300 \text{ V AC}$

Test voltage  $\geq 3 \text{ kV}$

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MSL/ 1,5-280 FE SH with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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