

**INDUSTRIAL COMPONENT DATA**

# SAC-5P-100,0-28R RAIL 0,5 1559186 PHOENIX CONTACT By meters, Sensor/actuator cable, shielded, halogen-free P..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-100,0-28R RAIL 0,5



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | SAC-5P-100,0-28R RAIL 0,5    |
| Catalog number  | 1559186                      |
| Category        | Data and communication cable |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-5A217C5B03                |
| Generated       | 2026-08-03                   |

## Product Overview

By meters, Sensor/actuator cable, shielded, halogen-free PE-X, black, 5-conductor, single conductor color: white 1, white 2, white 3, white 4, white 5, cable length: 100 m, For railway applications  
Cable for sensors/actuators

**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 dataItem PropertiesProduct Type Data cable by the meter

Number of poles 5

application Railway applications

Shielded Yes

Cable/LineCable length 100 m

RADOX®black, shielded [28R]

Dimension Scheme

Shielded Yes

Cable Weight 70 kg/km

Cable type RADOX®black, shielded

Cable Type (abbreviation) 28R

Cable Outer Diameter 6.2 mm ±0.3 mm

Outer Wrap, Material PE-X

Outer Wrap, Color black  
Conductive Material Tinned Cu Conductor  
Conductor Construction Signal Cable 19x 0.18 mm  
AWG Signal Line 20  
Line Section 5x 0.5 mm<sup>2</sup>  
Material: Conductor Insulation PE-X  
Conductor diameter incl. insulation 1.43 mm  
Single Driver, Color White 1, White 2, White 3, White 4, White 5  
Total cabling 5 longitudinally stranded conductors  
Screening Tinned Copper Wire Mesh  
Nominal Voltage Cable 600 V AC (Conductive-Ground, U<sub>0</sub>)  
1000 V AC (Conduct-to-Earth, U)  
≤ 720 V AC (conductive-ground)  
≤ 1200 V AC (Ground-Conductor, U<sub>m</sub>)  
≤ 900 V DC (Conductive-Ground, V<sub>0</sub>)  
≤ 1500 V DC (conductor-conductor)  
Test Voltage Cable 3500 V AC (50 Hz, 5 min.)  
8400 V DC (50 Hz, 5 min.)  
Line Resistance ≤ 40.1 Ω/km  
Minimum bending radius, fixed 3 x D  
Minimum bending radius, flexibly positioned 4 x D  
Fire protection in vehicles on rails BS 6853 (Category Ia, Ib, II)  
GM/RT 2130 (Category Ia, Ib, II)  
EN 45545 (Hazard Level HL1 - HL3)  
DIN 5510 (Fire Protection Level 1, 2, 3, 4)  
NF F16-101 (Category A1, A2, B)  
NF F16-101 (Class C / F0)  
NFPA 130  
UNI IEC 11170 (Hazard Level LR1 - LR4)  
Absence of halogens according to EN 50267-2-1  
Oil Resista...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-100,0-28R RAIL 0,5 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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