

## INDUSTRIAL COMPONENT DATA

# SAC-3P-20,0-961/M12FR VA 1419091 PHOENIX CONTACT Bus system cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-20,0-961/M12FR VA



|                 |                          |
|-----------------|--------------------------|
| Manufacturer    | PHOENIX CONTACT          |
| MPN / Reference | SAC-3P-20,0-961/M12FR VA |
| Catalog number  | 1419091                  |
| Category        | Data cable               |
| Minimum order   | 1 Pcs                    |
| Document ID     | EO-11F0DDB45B            |
| Generated       | 2026-08-01               |

## Product Overview

Bus system cable

Bus system cable, PROFIBUS PA (31.25 kBit/s), 3-poles, shielded, free cable end, to Female angled M12, coding: A, cable length: 20 m, for Ex zone with stainless steel knurling.

Bus system cable, PROFIBUS PA (31.25 kbps), 3-position, PVC, blue RAL 5015, shielded, free cable end, on Socket angled M12, coding: A, cable length: 20 m, For Ex area with high-grade steel knurl

## 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 &gt; Industrial Field Connectivity (IFC)

## Additional Product Information

Technical dataNotesGeneral For applications in circuits of intrinsic safety protection type "i". Electrical values following EN 60079-14.

Product propertiesProduct type Data cable preassembled

Application Process technology

Sensor type PROFIBUS PA

Number of positions 3

No. of cable outlets 1

Shielded yes

Coding B

Insulation characteristics

Overvoltage category II

Degree of pollution 3  
InterfacesBus system PROFIBUS PA  
Signal type/category PROFIBUS PA, 31.25 kbps  
SignalingStatus display no  
Status display present No  
Electrical propertiesNominal voltage UN 48 V AC  
60 V DC  
Nominal current IN 4 A  
Transmission medium Copper  
Mechanical propertiesMechanical data  
Insertion/withdrawal cycles  $\geq 100$   
Material specificationsFlammability rating according to UL 94 HB  
Seal material NBR  
Connection dataPin assignment  
Contact Color (signal designation) Contact (optional) 1 (Socket) OG (DATA+)  
3 (Socket) BU (DATA-)  
4 (Socket) SR (shield)  
ConnectorConnection 1  
Type free cable end  
Connection 2  
Type free cable end  
Cable/lineCable length 20 m  
Fieldbus FOUNDATION/PROFIBUS PA, blue [961]  
Dimensional drawing  
Cable weight 56.552 kg/km  
Number of positions 2  
Shielded yes  
Cable type Fieldbus FOUNDATION/PROFIBUS PA, blue [961]  
Conductor structure 2xAWG18/7 + 1xAWG20/7  
Signal speed 0.66 c  
Conductor structure signal line 7x 0.40 mm  
AWG signal line 18  
Conductor cross section 2x 0.75 mm<sup>2</sup> (Signal line)  
1x 0.5 mm<sup>2</sup> (Drain wire)  
Wire diameter incl. insulation 2.24 mm  $\pm 0.05$  mm  
External cable diameter 7.50 mm  $\pm 0.25$  mm...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-20,0-961/M12FR VA 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

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