

SAC-5P-M12FS/10,0-PUR/M12FS VW - Sensor/actuator cable



1565654

<https://www.phoenixcontact.com/us/products/1565654>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Sensor/actuator cable, 5-position, PUR halogen-free, irradiated, orange RAL 2003, Socket straight M12, coding: A, on Socket straight M12, coding: A, cable length: 10 m

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1565654 |
| Packing unit | 5 pc |
| Minimum order quantity | 25 pc |
| Product key | AF1CDA |
| GTIN | 4046356315852 |
| Weight per piece (including packing) | 463.34 g |
| Weight per piece (excluding packing) | 447.06 g |
| Country of origin | PL |

SAC-5P-M12FS/10,0-PUR/M12FS VW - Sensor/actuator cable



1565654

<https://www.phoenixcontact.com/us/products/1565654>

Technical data

Product properties

| | |
|----------------------|-----------------------|
| Product type | Sensor/actuator cable |
| Number of positions | 5 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |

Material specifications

| | |
|--------------------------|-------|
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU |

Electrical properties

| | |
|-----------------------|---------|
| Nominal voltage U_N | 48 V AC |
| | 60 V DC |
| Nominal current I_N | 4 A |

Mechanical properties

Mechanical data

| | |
|-----------------------------|------------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|------------|

Signaling

| | |
|------------------------|----|
| Status display present | no |
|------------------------|----|

Connector

Connection 1

| | |
|---------------------|---------------------|
| Type | Socket straight M12 |
| Number of positions | 5 |
| Coding type | A |

Connection 2

| | |
|---------------------|---------------------|
| Type | Socket straight M12 |
| Number of positions | 5 |
| Coding type | A |

Cable/line

| | |
|--------------|------|
| Cable length | 10 m |
|--------------|------|


PUR irradiated halogen-free orange [150]

SAC-5P-M12FS/10,0-PUR/M12FS VW - Sensor/actuator cable



1565654

<https://www.phoenixcontact.com/us/products/1565654>

| | |
|---|---|
| Dimensional drawing |  |
| Number of positions | 5 |
| Shielded | no |
| Cable type | PUR irradiated halogen-free orange [150] |
| Conductor structure signal line | 42x 0.10 mm |
| AWG signal line | 22 |
| Conductor structure, voltage supply | 24x 0.15 mm |
| AWG power supply | 20 |
| Conductor cross section | 4x 0.34 mm ² (Signal line) 1x 0.5 mm ² (PE connection) |
| External cable diameter | 5.20 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | orange RAL 2003 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PE |
| Single wire, color | brown, white, blue, black, green-yellow |
| Overall twist | 5 cores, twisted |
| Max. conductor resistance | ≤ 57.5 Ω/km (with 0.34 mm ² conductor cross section) ≤ 39 Ω/km (with 0.5 mm ² conductor cross section) |
| Nominal voltage, cable | 250 V (AC) |
| Test voltage | 2000 V (50 Hz, 5 minutes) |
| Smallest bending radius, fixed installation | 20 mm |
| Smallest bending radius, movable installation | 30 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 5000000, Bending radius: 52 mm, Traversing path: 10 m, Traversing rate: 3 m/s |
| Halogen-free | The cable is halogen-free |
| Flame resistance | DIN VDE 0472 part 804, test type B |
| Other resistance | hydrolysis and microbe resistant UV resistant Resistant to welding splashes |
| Special properties | Silicone-free Irradiated |
| Ambient temperature (operation) | -50 °C ... 105 °C (cable, fixed installation) -40 °C ... 105 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

SAC-5P-M12FS/10,0-PUR/M12FS VW - Sensor/actuator cable



1565654

<https://www.phoenixcontact.com/us/products/1565654>

| | |
|---|--|
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 90 °C (Plug / socket) |
| Ambient temperature (operation) (Cable, fixed installation) | -50 °C ... 105 °C (cable, fixed installation) |
| Ambient temperature (operation) (flexible installation) | -40 °C ... 105 °C (Cable, flexible installation) |

SAC-5P-M12FS/10,0-PUR/M12FS VW - Sensor/actuator cable



1565654

<https://www.phoenixcontact.com/us/products/1565654>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060311 |
|-------------|----------|

SAC-5P-M12FS/10,0-PUR/M12FS VW - Sensor/actuator cable



1565654

<https://www.phoenixcontact.com/us/products/1565654>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com