

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable



1502484

<https://www.phoenixcontact.com/us/products/1502484>

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, 3-position, PUR/PVC, yellow, Plug straight M12, coding: A, on free cable end, cable length: 4 m

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1502484 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF03 |
| Product key | AF1COA |
| GTIN | 4017918815127 |
| Weight per piece (including packing) | 298.4 g |
| Weight per piece (excluding packing) | 292.4 g |
| Customs tariff number | 85444290 |
| Country of origin | CN |

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable



1502484

<https://www.phoenixcontact.com/us/products/1502484>

Technical data

Product properties

| | |
|----------------------|------------------------|
| Product type | Distributor with cable |
| Number of positions | 3 |
| No. of cable outlets | 2 |
| Shielded | no |
| Coding | A |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution | 3 |

Material specifications

| | |
|--|---|
| Flammability rating according to UL 94 | HB |
| Material of grip body | TPU, hardly inflammable, self-extinguishing |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| | |
|-----------------------|---------------------------|
| Insulation resistance | $\geq 10 \text{ G}\Omega$ |
| 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 | no |
| Status display present | no |

Connector

Connection 1

| | |
|-------------|-------------------|
| Type | Plug straight M12 |
| Coding type | A |

Connection 2

| | |
|------|----------------|
| Type | free cable end |
|------|----------------|

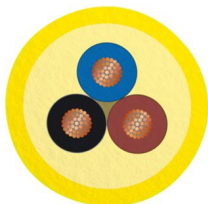
Cable/line

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable



1502484

<https://www.phoenixcontact.com/us/products/1502484>

| | |
|---|---|
| Cable length | 4 m |
| PUR/PVC yellow [140] | |
| Dimensional drawing |  |
| Cable weight | 37 kg/km |
| Number of positions | 3 |
| Shielded | no |
| Cable type | PUR/PVC yellow [140] |
| Conductor structure signal line | 42x 0.10 mm |
| AWG signal line | 22 |
| Conductor cross section | 0.34 mm ² |
| Wire diameter incl. insulation | 1.52 mm ±0.02 mm |
| External cable diameter | 5.20 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | yellow |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, blue, black |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) ≥ 0.38 mm (Outer cable sheath) approx. 0.45 mm (Inner sheath) |
| Overall twist | 3 wires, twisted |
| Max. conductor resistance | max. 57.3 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |
| Nominal voltage, cable | 300 V |
| Test voltage | 2500 V |
| Smallest bending radius, fixed installation | 52 mm |
| Smallest bending radius, movable installation | 52 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 2000000, Bending radius: 52 mm, Traversing path: 5 m, Traversing rate: 3 m/s |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP65 |
| | IP67 |

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable



1502484

<https://www.phoenixcontact.com/us/products/1502484>

| | |
|---------------------------------|--|
| | IP68 |
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable

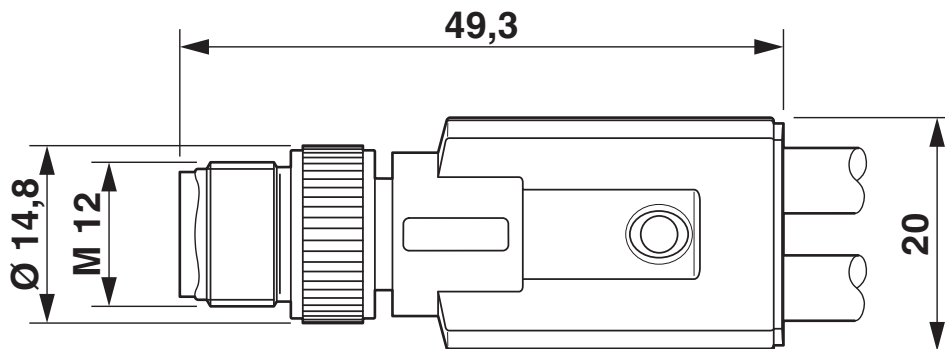


1502484

<https://www.phoenixcontact.com/us/products/1502484>

Drawings

Dimensional drawing



Plug M12 x 1, Y distributor

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable



1502484

<https://www.phoenixcontact.com/us/products/1502484>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060313 |
|-------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001855 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

SAC-3P-M12Y/2X4,0-140 - Sensor/actuator cable



1502484

<https://www.phoenixcontact.com/us/products/1502484>

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