

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/Actuator cable, 3-position, PVC, Yellow RAL 1021, Plug straight 7/8"-16UNF, A-coded, on free cable end, Cable length: 2 m

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust connectors in size 7/8"-16UNF
- High-performance: connectors and cables with a large conductor cross section for power supply



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 024884 |
| Weight per Piece (excluding packing) | 157.0 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 2 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket) |
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |

General

| | |
|-----------------------|--------|
| Rated current at 40°C | 10 A |
| Rated voltage | 300 V |
| Number of positions | 3 |
| Contact resistance | ≤ 5 mΩ |

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

Technical data

General

| | |
|------------------------------|--------------|
| Insulation resistance | ≥ 10 MΩ |
| Coding | A - standard |
| Status display | No |
| Protective circuit/component | Unwired |
| Surge voltage category | II |
| Pollution degree | 2 |
| Test voltage | 2500 V |
| Insertion/withdrawal cycles | > 500 |

Material

| | |
|---|---------------------|
| Inflammability class according to UL 94 | HB |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PUR |
| Material of grip body | PUR |
| Material, knurls | Nickel-plated brass |

Cable

| | |
|---------------------------------|---------------------------|
| Cable type | PVC yellow IEC color code |
| Conductor cross section | 0.75 mm ² |
| AWG signal line | 18 |
| Conductor structure signal line | 41x 0.16 mm |
| Wire colors | brown, blue, black |
| External sheath, color | Yellow RAL 1021 |
| External cable diameter | 5.80 mm |
| Outer sheath, material | PVC |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC001855 |
|----------|----------|

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------|-------|
| UL Listed | |
| mm ² /AWG/kcmil | 18 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

| | |
|--------------------------------|-------|
| cUL Listed | |
| mm ² /AWG/kcmil | 18 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

Approvals

cULus Listed 

Accessories

Accessories

Conductor marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for copper and aluminum conductors, VDE-tested

Marker carrier cable

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

Accessories

Conductor marker carrier - PATG 2/15 - 1013038



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 2-4 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 3/15 - 1013041



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 4-7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 4/15 - 1013054



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 6-10 mm, Lettering field: 4 x 15 mm

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" connectors



Screwdriver tools

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

Accessories

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Adapter - SAC BIT MIN-D25 - 1212512



SAC nut, for assembling 7/8" connectors, with 4 mm hexagonal drive

Stripping tool

Stripping tool - WIREFOX SAC-1 - 1212757



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from \varnothing of 3.2 to 4.4 mm, any stripping length

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from \varnothing of 4.4 to 7 mm, any stripping length

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Torque tool

Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-400 - 1531743

Accessories

Torque screwdriver - TSD 08 SAC - 1212597



Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

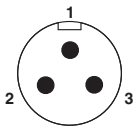
Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

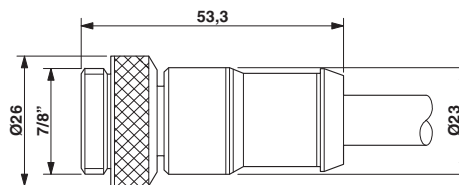
Drawings

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

Dimensioned drawing



7/8"-16UNF plug, straight

Circuit diagram

