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# Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-420 - 1532700

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

## Product Features

☑ 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 1 |
|---|---|
| Weight per Piece (excluding packing) | 222.22 GRM |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

## 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 | 13 A |
|---|---|
| Rated voltage | 600 V |
| Number of positions | 3 |
| Contact resistance | $\leq 5\ m\Omega$ |
| Insulation resistance | $\geq 10\ M\Omega$ |
| Coding | A - standard |

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## Technical data

### General

| Status display | No |
|---|---|
| Surge voltage category | II |
| Pollution degree | 2 |
| Test voltage | 4000 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 Auto color code |
|---|---|
| Conductor cross section | 1.5 mm² |
| AWG signal line | 16 |
| Conductor structure signal line | 65x 0.16 mm |
| Wire colors | Green, red-black, red-white |
| External sheath, color | Yellow RAL 1021 |
| External cable diameter | 10.24 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 | 27061801 |

### ETIM

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

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## Classifications

### ETIM

| ETIM 4.0 | EC001855 |
|---|---|
| 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

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### Approvals

UL Listed / cUL Listed / cUL Listed / cULus Listed

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### Ex Approvals

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### Approvals submitted

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### Approval details

| UL Listed | |
|---|---|
| mm²/AWG/kcmil | 16 |
| Nominal current IN | 13 A |
| Nominal voltage UN | 600 V |

| cUL Listed | |
|---|---|
| mm²/AWG/kcmil | 16 |

# Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-420 - 1532700

## Approvals

|  |  |
|---|---|
| Nominal current IN | 13 A |
| Nominal voltage UN | 600 V |

| cUL Listed ᴱ⑩ | |
|---|---|
| mm²/AWG/kcmil | 16 |
| Nominal current IN | 13 A |
| Nominal voltage UN | 600 V |

| cULus Listed ᴱ⑩ᵤₛ |
|---|

## 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

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# Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-420 - 1532700

## Accessories

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

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## Cutting tools

Cable-cutting tool - CUTFOX-S VDE - 1212207

Diagonal cutter for copper and aluminum conductors, VDE-tested

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## Marker carrier cable

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

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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

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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

# Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-420 - 1532700

## Accessories

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### 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

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### 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

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### Screwdriver tools

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

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Adapter - SAC BIT MIN-D25 - 1212512

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

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### Stripping tool

# Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-420 - 1532700

## Accessories

Stripping tool - WIREFOX SAC - 1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø 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

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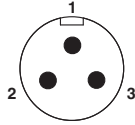
Torque screwdriver - TSD-M 1,2NM - 1212224

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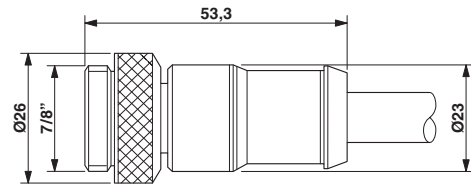
## Drawings

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# Sensor/Actuator cable - SAC-3P-MINMS/ 2,0-420 - 1532700

### Schematic diagram



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

### Dimensioned drawing



7/8"-16UNF plug, straight

### Circuit diagram



| | |
|---|---|
| 1 | GN |
| 2 | RD/BK |
| 3 | RD/WH |