

## Power cable - SAC-6P-MINMS/ 2,0-U20 - 1416857

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Power cable, 6-position, PVC, yellow, Plug straight 7/8"-16UNF, A - standard, on free cable end, Cable length: 2 m

### Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ High-performance: connectors and cables with a large conductor cross section for power supply

### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	0.010 g
Custom tariff number	85444290
Country of origin	Mexico

### Technical data

#### Dimensions

Length of cable	2 m
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#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 105 °C (Plug / socket)
Degree of protection	IP68

#### General

Rated current at 40°C	8 A
Rated voltage	600 V
Number of positions	6
Insulation resistance	≥ 100 MΩ
Status display	No

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## Technical data

### General

Protective circuit/component	Unwired
Insertion/withdrawal cycles	100
Torque	10 lb <sub>f</sub> -in.
	1.12 Nm

### Material

Contact material	CuZn
Contact surface material	AU
Contact carrier material	PVC
Material of grip body	PVC
Material, knurls	Anodized aluminum

### Cable

Cable type	Yellow, STOOW
Cable abbreviation	U20
AWG signal line	16
Conductor cross section signal conductor	6 x AWG 16
Conductor cross section voltage supply	65 x AWG 32
Wire colors	White 1, red 2, green 3, orange 4, black 5, blue 6
External sheath, color	yellow
External cable diameter	13.70 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12.5 x D
Outer sheath, material	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	600 V
Flame resistance	UL 1581, FT2
Resistance to oil	Premium oil resistance (jacket and conductor)
Other resistance	UV resistant (720 h)

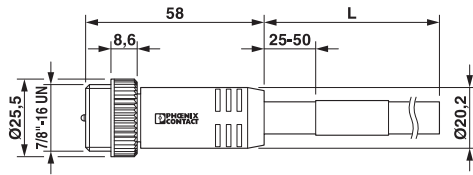
### Standards and Regulations

Resistance to oil	Premium oil resistance (jacket and conductor)
Flame resistance	UL 1581, FT2
Other resistance	UV resistant (720 h)

### Drawings

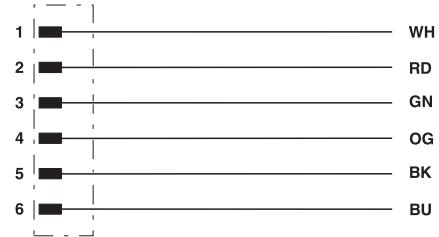
# Power cable - SAC-6P-MINMS/ 2,0-U20 - 1416857

Dimensional drawing



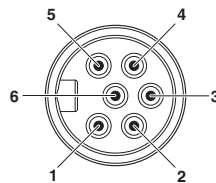
7/8"-16UNF plug, straight

Circuit diagram



Contact assignment of 7/8" plug

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 6-pos., view of male side

## Classifications

eCl@ss

eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 5.0	EC001855
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UNSPSC

UNSPSC 13.2	31251501
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## Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

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## Approvals

Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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cULus Listed			
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## Accessories

### Accessories

#### Conductor marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-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: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

## Power cable - SAC-6P-MINMS/ 2,0-U20 - 1416857

### Accessories

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

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### Marker carrier cable

Conductor marker carrier - PATO 2/15 - 1013122



Conductor marker carrier, transparent, unlabeled, Mounting type: clip on, Cable diameter: 2.8-4.4 mm, Lettering field: 4 x 15 mm

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Conductor marker carrier - PATO 3/15 - 1013135



Conductor marker carrier, transparent, unlabeled, Mounting type: clip on, Cable diameter: 4.4-6.7 mm, Lettering field: 4 x 15 mm

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Conductor marker carrier - PATO 4/15 - 1013148



Conductor marker carrier, transparent, unlabeled, Mounting type: clip on, Cable diameter: 6.7-10 mm, Lettering field: 4 x 15 mm

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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

## Power cable - SAC-6P-MINMS/ 2,0-U20 - 1416857

### Accessories

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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



Screw plug - PROT-MINMS-PA-CHAIN - 1430925

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



#### 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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Tool - SAC BIT MIN-D25 - 1212512



Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive

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#### Torque tool

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### 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

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



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

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