

# SAC-6P- 3,0-PUR/S15FS PE - Power cable



1514499

<https://www.phoenixcontact.com/in/products/1514499>

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Power cable, 6-position, PUR halogen-free, black, free cable end, on Socket straight Size 15 Bayonet locking, cable length: 3 m, For alternating current up to 16 A/600 V

## Your advantages

- Protection against mismatching, thanks to special coding

## Commercial data

Item number	1514499
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF1CDQ
GTIN	4063151978518
Weight per piece (including packing)	682.2 g
Weight per piece (excluding packing)	680 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Power cable
Application	Energy supply
Number of positions	6
No. of cable outlets	1
Shielded	no

### Insulation characteristics

Degree of pollution	3
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### Material specifications

Flammability rating according to UL 94	V0
Material of grip body	PUR
Contact material	Cu alloy
Contact surface material	Ag
Contact carrier material	PA
Material for screw connection	not available
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

### Electrical properties

Nominal voltage $U_N$	600 V AC (Power) 63 V (Signal)
Nominal current $I_N$	16 A (Power) 10 A (Signal)
Max. conductor resistance	7.98 $\Omega/m$

### Mechanical properties

Mechanical data	
Max. bending cycles	5000000

### Connector

#### Connection 1

Type	free cable end
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#### Connection 2

Type	Socket straight Size 15 Bayonet locking
Number of positions	6
Locking type	Bayonet locking

### Cable/line

Cable length	3 m
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## PUR halogen-free black [PUR]

Number of positions	6
Shielded	no
Cable type	PUR halogen-free black [PUR]
AWG power supply	14
Conductor cross section	6x 2.5 mm <sup>2</sup>
Wire diameter incl. insulation	2.85 mm ±5 %
External cable diameter	10.50 mm
Outer sheath, material	PUR
External sheath, color	black
Conductor material	Bare Cu litz wires
Single wire, material	PP
Single wire, color	black 1, black 2, black 3, black 4, black 5, green/yellow
Thickness, insulation	Core insulation
Overall twist	6 wires, twisted around filler
Max. conductor resistance	max. 7.98 Ω/m
Nominal voltage, cable	≤ 1000 V
Test voltage	≥ 10000 V
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	79 mm
Smallest bending radius, movable installation	105 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 79 mm, Traversing rate: 3.3 m/s, Acceleration: 5 m/s <sup>2</sup>
Ambient temperature (operation)	-50 °C ... 80 °C (cable, fixed installation) -25 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-30 °C ... 85 °C (Plug / socket)

## Standards and regulations

Standards/specifications	IEC 61076-2-116
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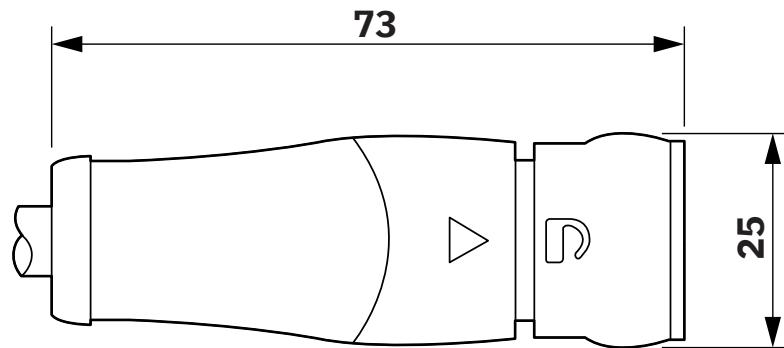
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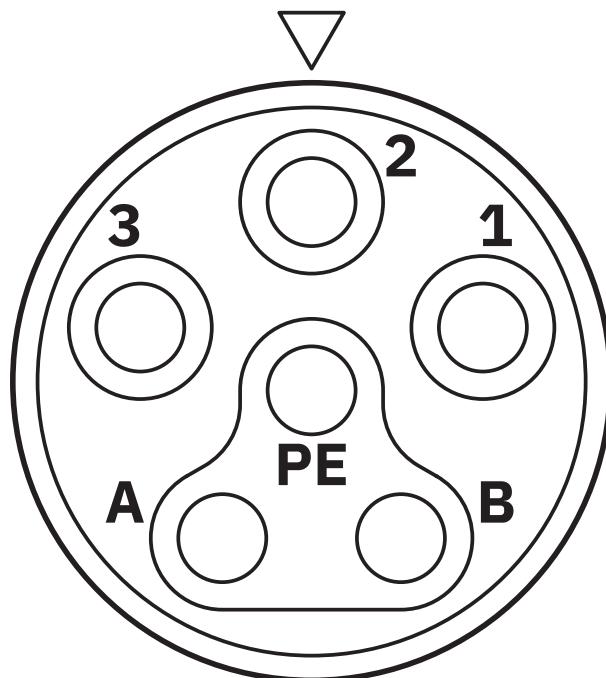
## Drawings

Dimensional drawing



M15 female connector, straight

Schematic diagram



M15 female connector pin assignment, 6-pos., view: female connector side

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Circuit diagram



Contact assignment of the M12 socket

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## Classifications

### ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

### ETIM

ETIM 9.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	2e193d02-4039-4ffa-9e61-0bccdd0d21e1

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