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SAC-6P-S15MS/ 5,0-PUR/S15FS PE - Power cable

1514507

https://www.phoenixcontact.com/gb/products/1514507

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Power cable, 6-position, PUR halogen-free, black, Plug straight Size 15 Bayonet locking, on Socket straight Size 15 Bayonet locking, cable length: 5 m, For alternating current up to 16 A/600 V

Your advantages

- Protection against mismatching, thanks to special coding

Commercial data

Item number	1514507
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF1CDQ
Product key	AF1CDQ
GTIN	4063151976798
Weight per piece (including packing)	1,083 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Power cable
Application	Power supply
Number of positions	6
Shielded	no

Insulation characteristics

Degree of pollution	3

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 Ω/m

Mechanical properties

Mechanical data

Max. bending cycles	5000000

Connector

Connection 1

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

Connection 2

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

Cable/line

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Cable length	5 m

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 mm²
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/s²
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)	-30 °C ... 85 °C (Plug / socket)

Standards and regulations

Standards/specifications	IEC 61076-2-116

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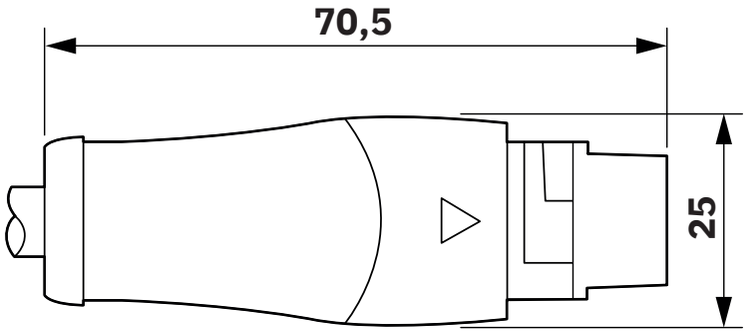
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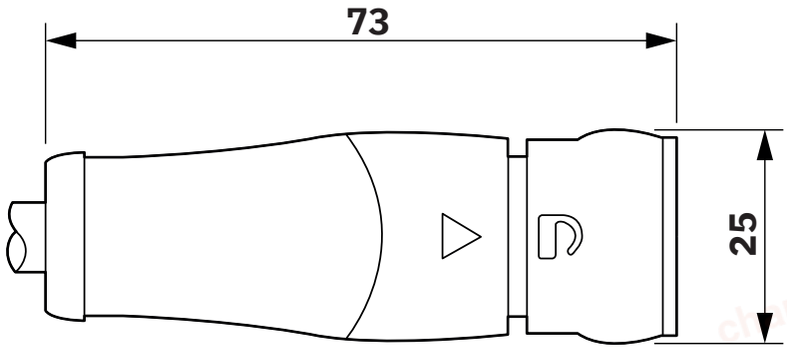
Drawings

Dimensional drawing



S15 male connector, straight

Dimensional drawing



S15 socket, straight

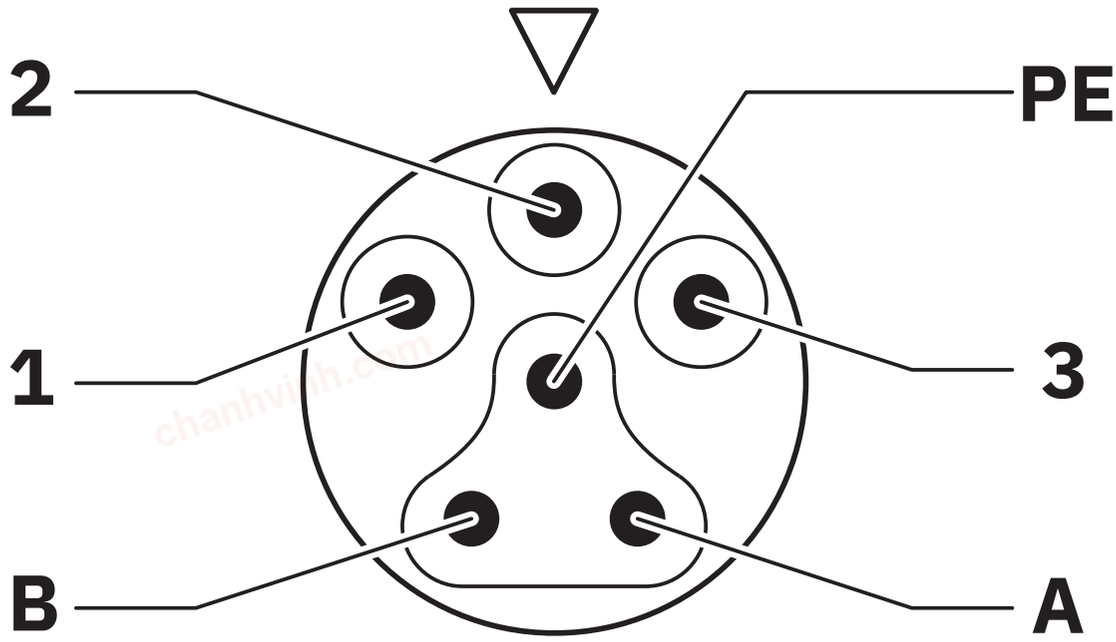
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Schematic diagram



S15 plug pin assignment, 6-pos., pin side view

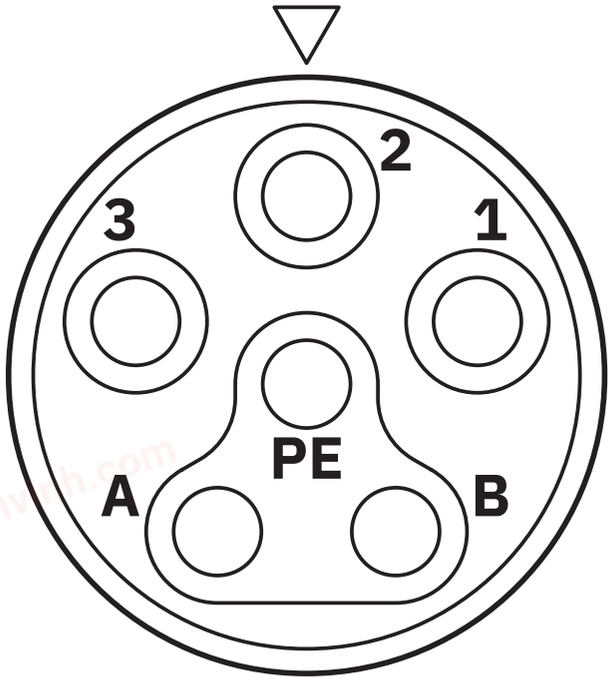
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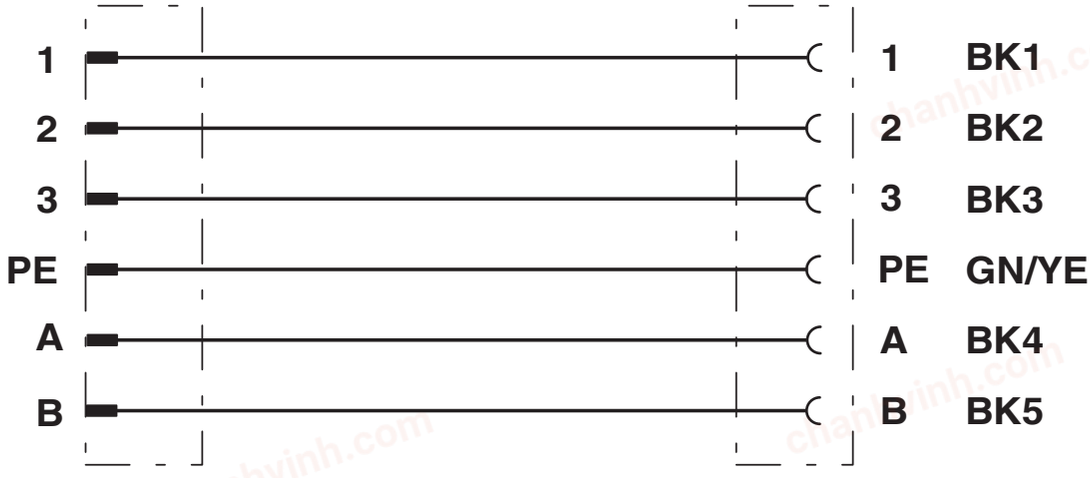
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Schematic diagram



S15 socket pin assignment, 6-pos., socket side view

Circuit diagram



Contact assignment of the S15 plug and the S15 socket

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Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060327

ETIM

ETIM 9.0	EC001855

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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	af04603c-ac61-4e1f-9819-dc52395319df

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