Power cable - SAC-3P- 2,5-PVC/M12FSS PE - 1425625

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Power cable, 3-position, PVC, black, free cable end, on Socket straight M12, S-coded, cable length: 2.5 m, for AC current up to 16 A/230 V

Your advantages

- Easy and safe: 100% electrically tested plug-in components
- High-performance: AC connectors for up to 16 A and 230 V AC
- Protection against incorrect connection using special S-coding

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 055626 428345
GTIN	4055626428345

Technical data

Dimensions

Length of cable	2.5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	16 A
Rated voltage	230 V AC
	230 V DC
Number of positions	3
Color handle area	black
Insulation resistance	≥ 100 MΩ

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Technical data

General

Coding	S power
Standards/regulations	M12 connector IEC 61076-2-111
Status display	No
Protective circuit/component	unwired
Overvoltage category	III
Degree of pollution	3
Insertion/withdrawal cycles	> 100
Torque	0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of grip body	PP
Material, knurls	Zinc die-cast, nickel-plated

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LSYwYw-JZ
UL AWM style	2517 (105 °C / 300 V)
Conductor cross section	3x 1.5 mm²
AWG power supply	16
Conductor structure, voltage supply	30x 0.25 mm
Core diameter including insulation	2.4 mm ±0.1 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black
External cable diameter D	6.8 mm ±0.2 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	12 x D
Cable weight	80 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 10 MΩ*km (at 20 °C)

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Technical data

Cable

Conductor resistance	≤ 13.3 Ω/km (at 20 °C)
Nominal voltage, cable	300 V AC
Test voltage, cable	2000 V AC
Flame resistance	according to IEC 60332-1
	According to DIN EN 60332-1-2
	According to VW-1
	According to FT1
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

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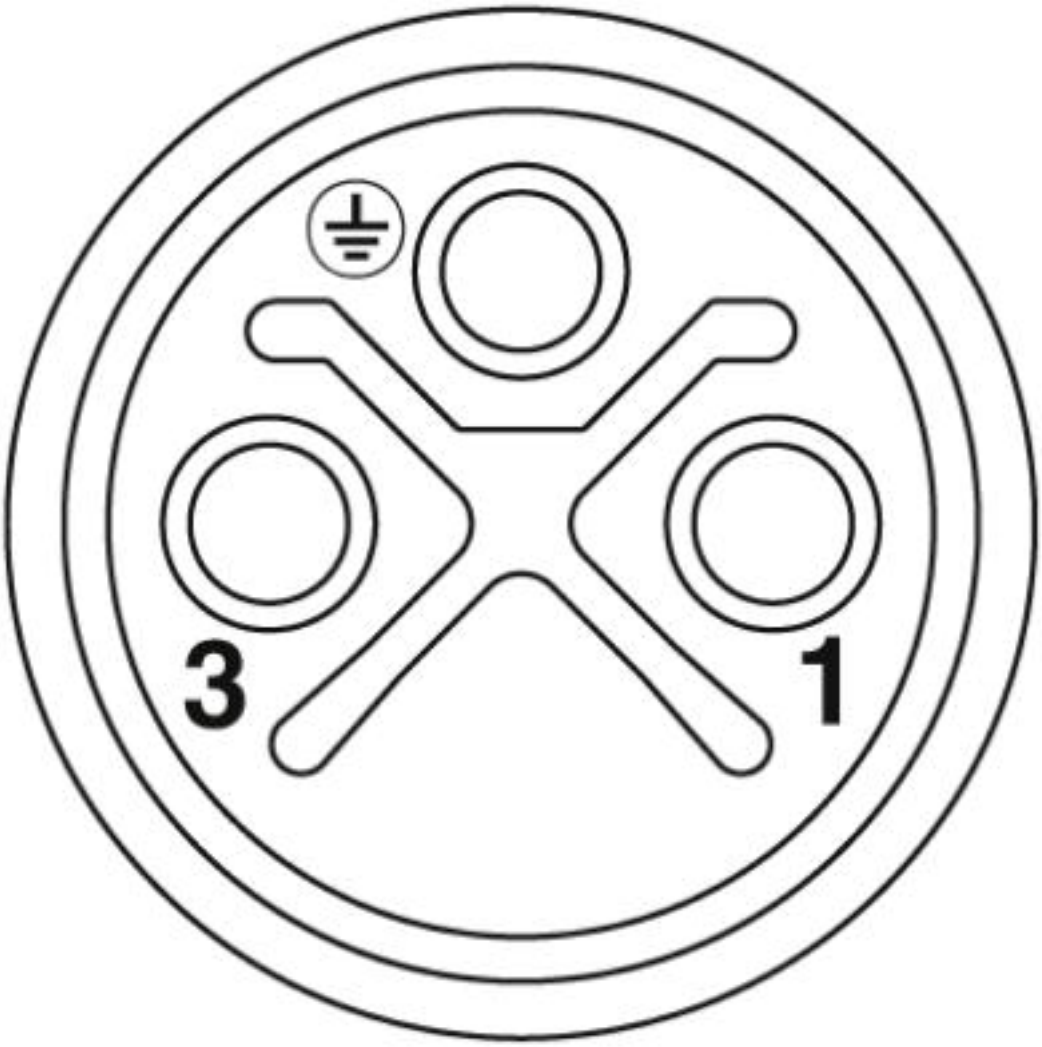
Schematic diagram



Pin assignment of M12 socket, 3-pos., S-coded, socket side view

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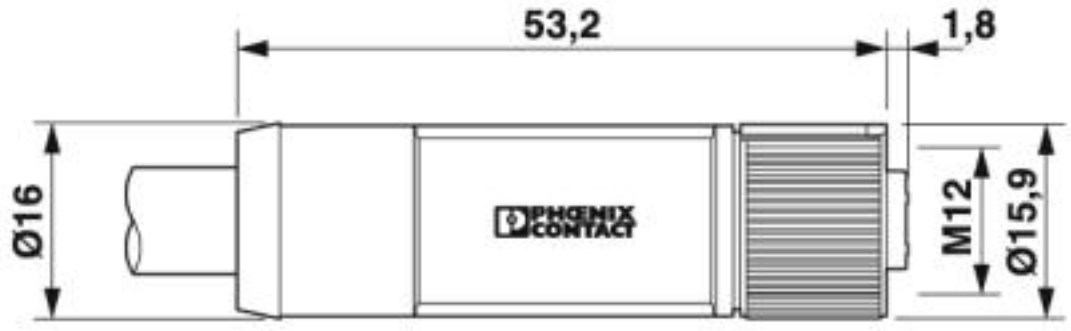
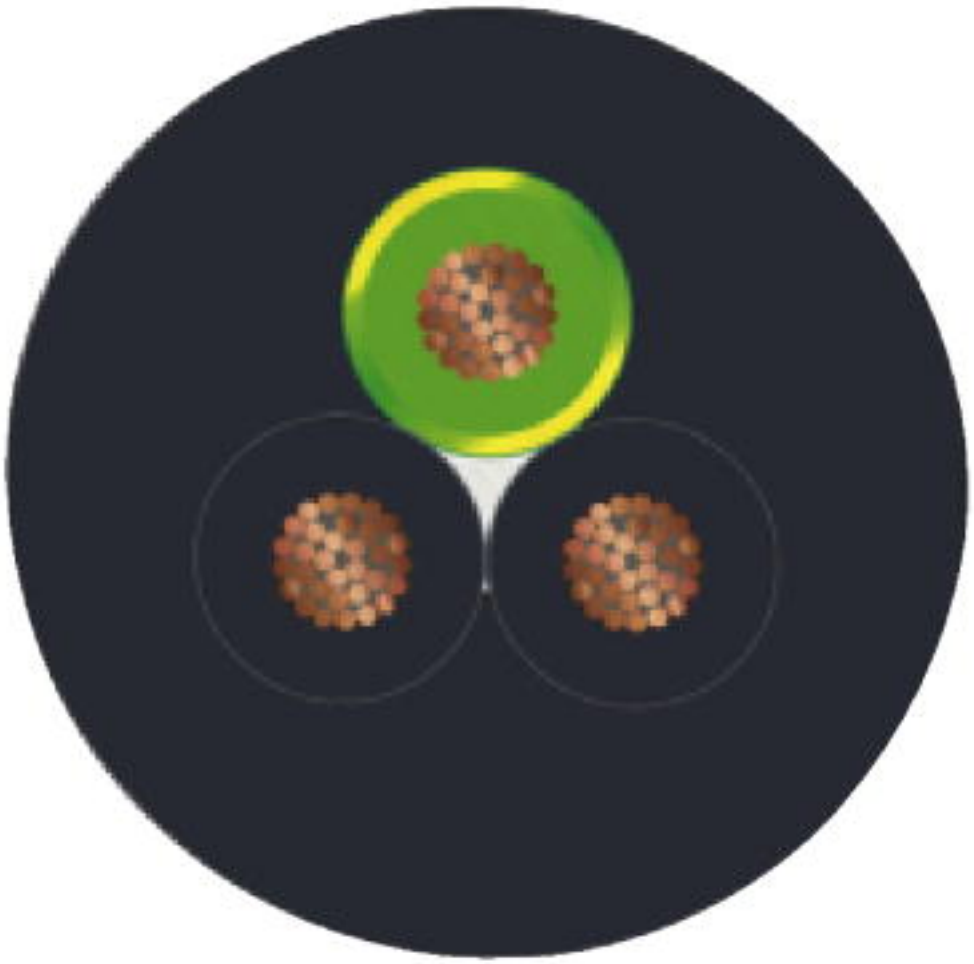
Dimensional drawing



M12 x 1 socket, straight

Cable cross section



PVC black [PVC]

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Approvals

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UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 468743

Nominal voltage UN	300 V
Nominal current IN	12 A
mm²/AWG/kcmil	16

cUL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 468743

Nominal voltage UN	300 V
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cULus Listed

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