

SAC-4P-MSS/2,3-PUR/FRS PE OBS - Power cable



1005205

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Power cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: S, on Socket angled M12 SPEEDCON, coding: S, cable length: 2.3 m, for AC current up to 12 A/630 V, Without PATGs

Commercial data

Item number	1005205
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1CCP
GTIN	4055626475189
Weight per piece (including packing)	303.1 g
Weight per piece (excluding packing)	303.1 g
Country of origin	DE

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Technical data

Product properties

Product type	Power cable
Application	Energy supply
Number of positions	4

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Nominal voltage U_N	690 V AC
Nominal current I_N	12 A

Connector

Connection 1

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	S (Power)

Connection 2

Type	Socket angled M12 SPEEDCON
Locking type	SPEEDCON
Coding type	S (Power)

Cable/line

Cable length	2.3 m
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PUR halogen-free black [PUR]

Cable weight	92 kg/km
UL AWM Style	80°C/1000 V
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure, voltage supply	44x 0.20 mm
AWG power supply	16
Conductor cross-section	4x 1.5 mm ²
Wire diameter incl. insulation	2.35 mm ±0.05 mm
External cable diameter	7.40 mm ±0.25 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP

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Single wire, color	black 1, black 2, black 3, green/yellow
Thickness, insulation	≥ 0.31 mm
Thickness, outer sheath	approx. 0.85 mm
Overall twist	4 wires, twisted
Max. conductor resistance	≤ 14.1 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 1000 V AC
Test voltage	≥ 10000 V AC (Spark test)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	37 mm
Smallest bending radius, movable installation	74 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ²
Dynamic load capacity (torsion)	Torsion: ±180 °/m, Torsion cycles: 500000, Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Flame resistance	According to UL 758/1581 (Cable Flame)
	in accordance with UL 758/1581 FT2
	according to DIN EN 60332-2-2
Resistance to oil	according to DIN EN 60811-404, 168 h at 100 °C
	according to UL 758, 168 h at 60 °C
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10
	Low adhesion
	abrasion-resistant
	Resistant to salt water
Ambient temperature (operation)	-50 °C ... 85 °C (cable, fixed installation)
	-30 °C ... 85 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

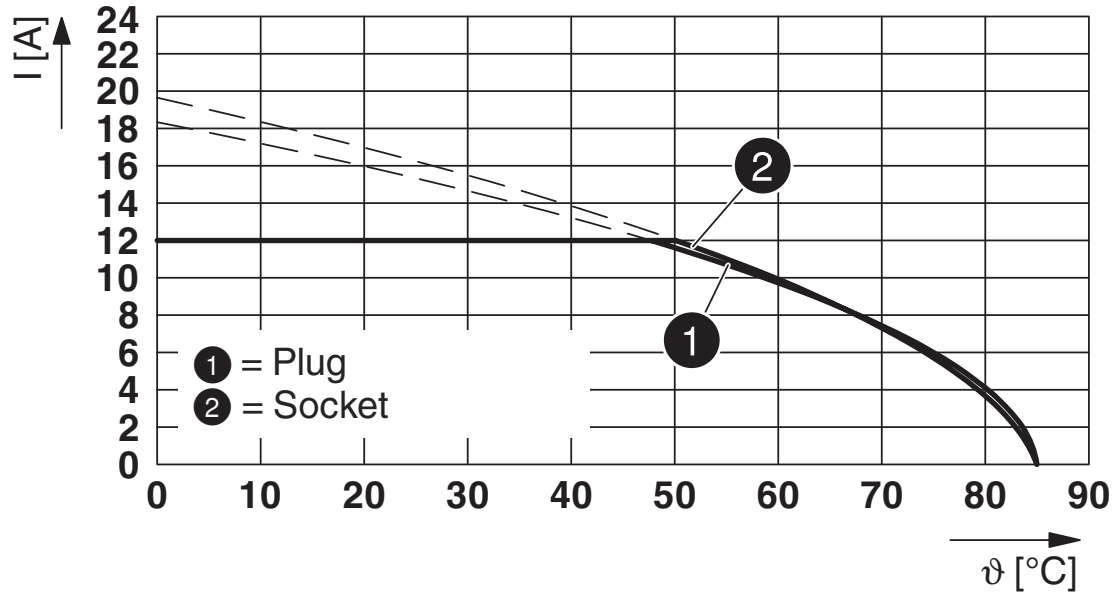
Degree of protection	IP65
	IP67 (without preloading, as additional test in accordance with IEC 60529)

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Drawings

Diagram



Base curve

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Classifications

ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

UNSPSC

UNSPSC 21.0	31251501
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