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Especialistas en Automatización

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Power cable - SAC-5P-MINMS/2,0-431/MINFS PWR - 1443640

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Power cable, 5-position, PVC, gray RAL 7001, Plug straight 7/8"-16UNF, A-coded, on Socket straight 7/8"-16UNF, A-coded, Cable length: 2 m, 2.5 mm² conductor cross section, For power supply

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust connectors in size 7/8"-16UNF
- High-performance: connectors and cables with a large conductor cross section for power supply

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 537216

Technical data

Dimensions

Length of cable	2 m
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Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	13 A
Rated voltage	600 V
Rated surge voltage	4000 V
Number of positions	5
Insulation resistance	≥ 10 MΩ
Coding	A - standard
Status display	No
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3

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Technical data

General

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 5
Insertion/withdrawal cycles	100

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	AU
Contact carrier material	PA 66
Material of grip body	TPU
Material, knurls	Zinc die-cast, nickel-plated

Standards and Regulations

Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Flammability rating according to UL 94	HB

Cable

Cable type	PVC gray
Cable type (abbreviation)	431
UL AWM style	21098 (90 °C / 600 V)
Conductor cross section	5x 2.5 mm ²
AWG signal line	14
Conductor structure, voltage supply	50x 0.25 mm
Wire colors	Black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
External sheath, color	gray RAL 7001
External cable diameter D	12.1 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12.5 x D
Cable weight	257 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	600 V
Test voltage, cable	3000 V
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Resistance to oil	good oil-resistance
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

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Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

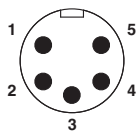
Approval details

EAC

Drawings

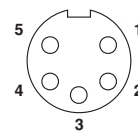
Power cable - SAC-5P-MINMS/2,0-431/MINFS PWR - 1443640

Schematic diagram



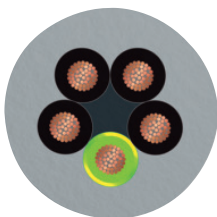
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



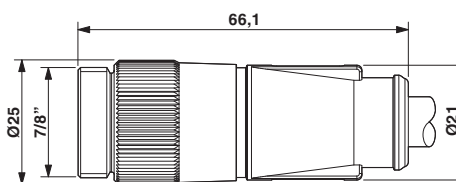
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



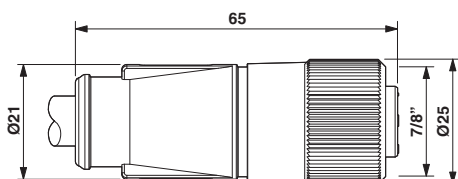
PVC gray [431]

Dimensional drawing



7/8"-16UNF plug, straight

Dimensional drawing



7/8"-16UNF socket, straight

Circuit diagram



Contact assignment of the 7/8" connector and the 7/8" socket



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Product	Code	Reference	Product link
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