

1443501

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Power cable, 5-position, PVC, gray RAL 7001, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 1.5 m, 2.5 mm² conductor cross section, For power supply

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- High-performance: connectors and cables with a large conductor cross section for power supply

Commercial data

Item number	1443501
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	B22
Product key	BF1FDA
Catalog page	Page 279 (C-4-2015)
GTIN	4046356537063
Weight per piece (including packing)	426.5 g
Weight per piece (excluding packing)	222.22 g
Customs tariff number	85444290
Country of origin	DE

SAC-5P- 1,5-431/MINFS PWR - Power cable



1443501

<https://www.phoenixcontact.com/us/products/1443501>

Technical data

Product properties

Product type	Sensor/actuator cable
Application	Power supply
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	HB
Material of grip body	TPU
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Rated surge voltage	4000 V
Insulation resistance	$\geq 10 \text{ M}\Omega$
Nominal voltage U_N	63 V DC
Nominal current I_N	13 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
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Signaling

Status display	no
Status display present	No

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket straight 7/8"-16UNF
Number of positions	5
Coding type	A

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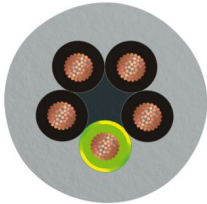
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Cable/line

Cable length	1.5 m
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PVC gray [431]

Dimensional drawing	
Cable weight	257 kg/km
UL AWM Style	21098 (90 °C / 600 V)
Number of positions	5
Shielded	no
Cable type	PVC gray [431]
AWG signal line	14
Conductor cross section	5x 2.5 mm²
External cable diameter	12.10 mm
Outer sheath, material	PVC
External sheath, color	gray RAL 7001
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
Nominal voltage, cable	600 V
Test voltage	3000 V
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12.5 x D
Smallest bending radius, fixed installation	49 mm
Smallest bending radius, movable installation	152 mm
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)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP68

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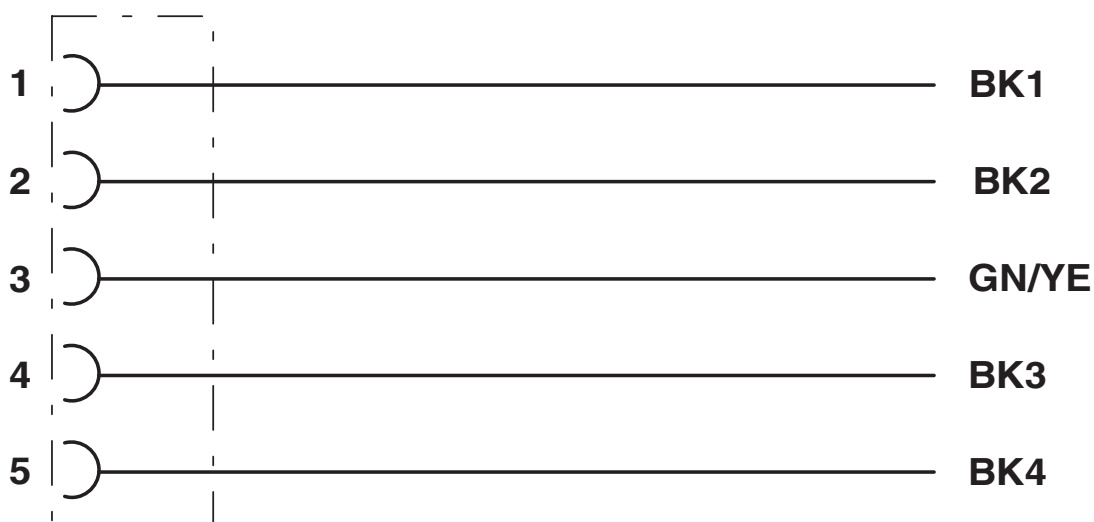
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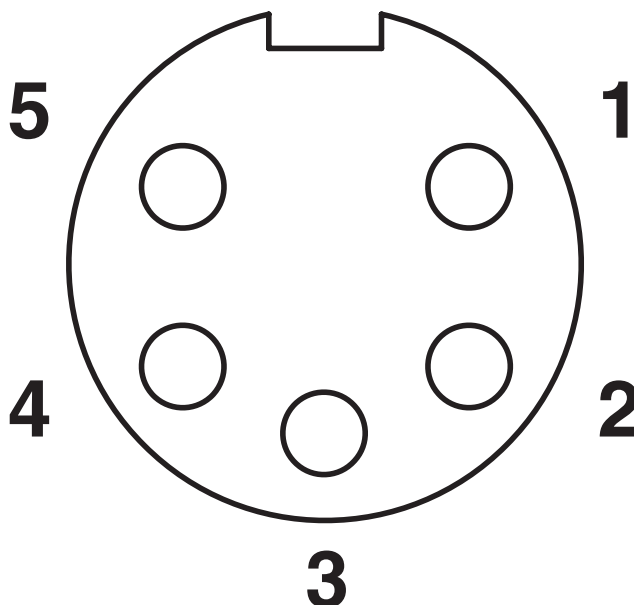
Ambient temperature (operation)	-40 °C ... 90 °C (Socket)
	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (Cable, flexible installation)

Drawings

Circuit diagram



Schematic diagram



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

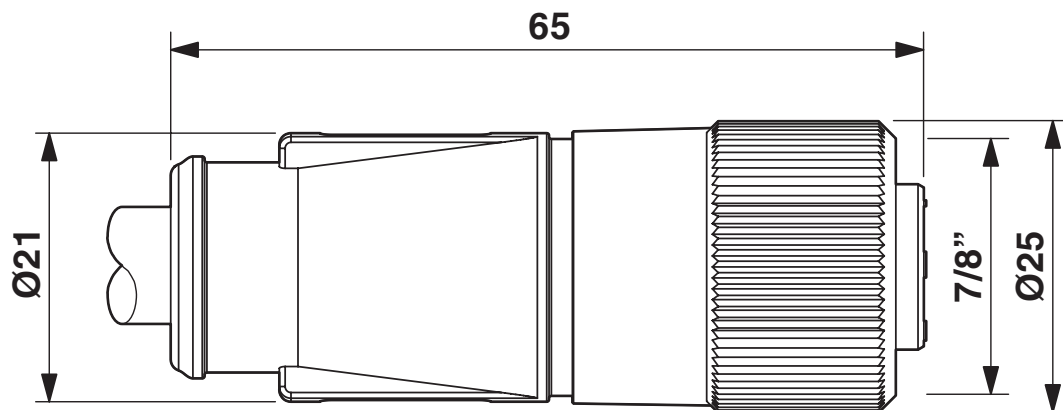
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Dimensional drawing



7/8"-16UNF socket, straight

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Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-13.0	27060311

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