SAC-5P- 5,0-440/MINFS PWR - Power cable

1443721

https://www.phoenixcontact.com/us/products/1443721

Power cable, 5-position, PUR, gray RAL 7001, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 5 m, 1.5 mm^2 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	1443721
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	B22
Product key	BF1FDA
Catalog page	Page 276 (C-4-2015)
GTIN	4046356537292
Weight per piece (including packing)	753.6 g
Weight per piece (excluding packing)	753 g
Customs tariff number	85444290
Country of origin	DE

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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	≥ 10 MΩ
Nominal voltage U_N	63 V DC
Nominal current I_N	10 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100

Signaling

Status display	No
Status display present	No

Connector

Connection 1

Type	free cable end

Connection 2

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

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Cable/line

Cable length	5 m

PUR/PVC gray [440]
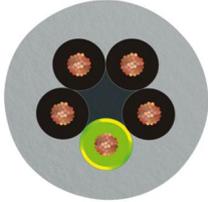
Dimensional drawing	
Cable weight	140 kg/km
UL AWM Style	20234 (80 °C / 600 V)
Number of positions	5
Shielded	no
Cable type	PUR/PVC gray [440]
AWG signal line	16
Conductor cross section	5x 1.5 mm²
External cable diameter	9.70 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	gray RAL 7001
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
Max. conductor resistance	13.3 Ω/km
Nominal voltage, cable	500 V AC
Test voltage	4000 V AC
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	15 x D
Smallest bending radius, fixed installation	73 mm
Smallest bending radius, movable installation	146 mm
Flame resistance	in accordance with EN 60332-1-2
	in acc. to UL VW1
	According to CSA FT1
Resistance to oil	According to HD 22.10
	according to VDE 0282 Part 10
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	5 °C ... 90 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

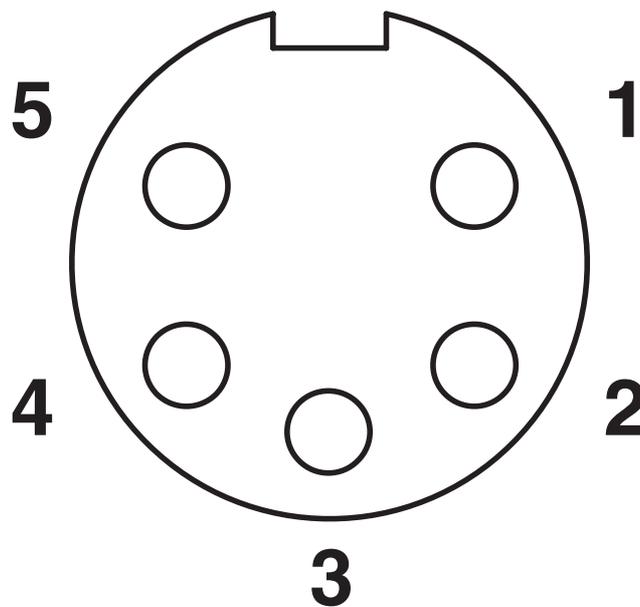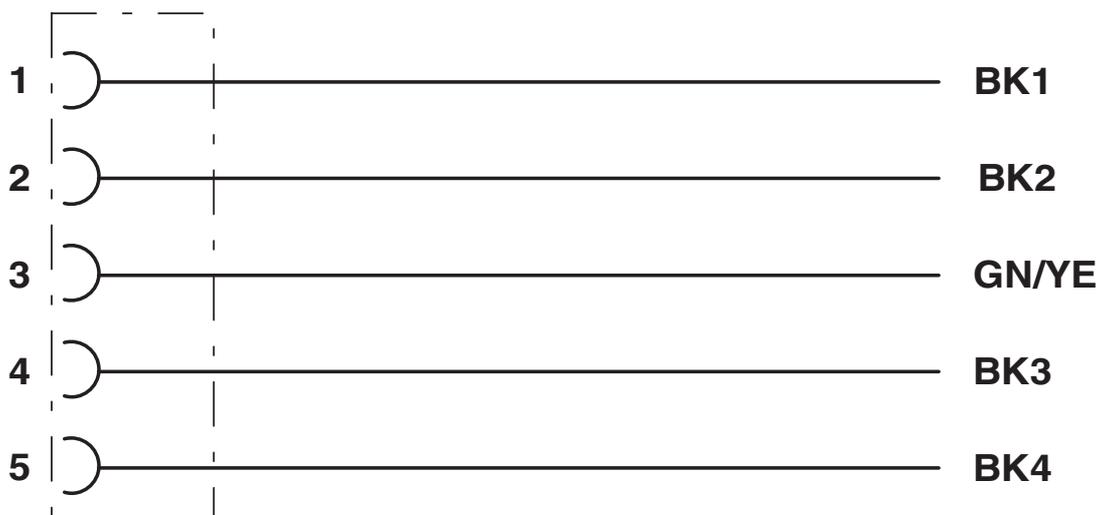| Degree of protection	IP65
	IP67
	IP68
Ambient temperature (operation)	-40 °C ... 90 °C (Socket)
	-40 °C ... 90 °C (cable, fixed installation)
	5 °C ... 90 °C (Cable, flexible installation)

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Drawings

Schematic diagram

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

Circuit diagram

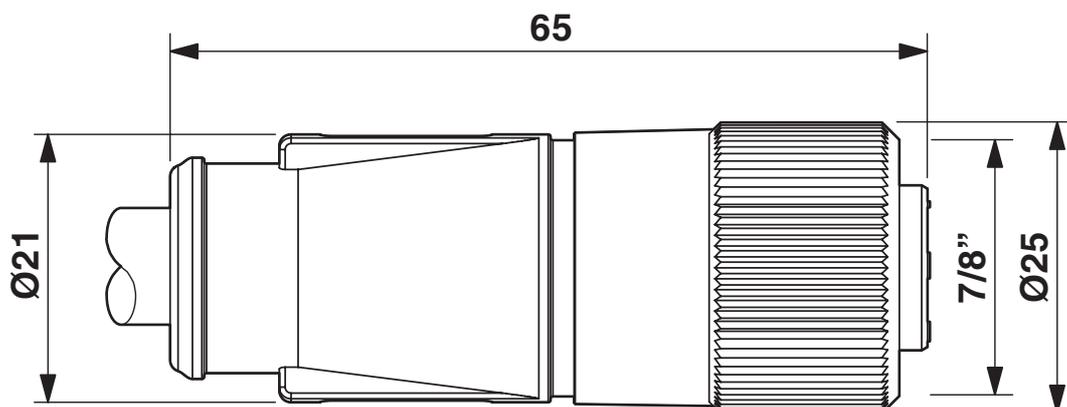| Pin	Wire
1	BK1
2	BK2
3	GN/YE
4	BK3
5	BK4

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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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Accessories

UCT-WMT (23X4) - Conductor marker

0801453

https://www.phoenixcontact.com/us/products/0801453

Conductor marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 30

UC-WMT (23X4) - Conductor marker

0819411

https://www.phoenixcontact.com/us/products/0819411

Conductor marker, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 24

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1443721

https://www.phoenixcontact.com/us/products/1443721

US-WMT (23X4) - Cable marker

0828769

https://www.phoenixcontact.com/us/products/0828769

Cable marker, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: slide-on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 56

WMTW (23X4)R - Cable marker

0831004

https://www.phoenixcontact.com/us/products/0831004

Cable marker, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 3000

SAC-5P- 5,0-440/MINFS PWR - Power cable

WP-CTA POM 13,0 BK - Protective hose adapter

Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel

WP-PA HF 13,0 BK - Protective hose

Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: V0, inner diameter: 10 mm, Total length: 50 m

SAC-5P- 5,0-440/MINFS PWR - Power cable

1443721

https://www.phoenixcontact.com/us/products/1443721

WP-PA HF-HB 13,0 BK - Protective hose

3240839

https://www.phoenixcontact.com/us/products/3240839

Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: HB, inner diameter: 10 mm, Total length: 50 m

PROT-MINMS-PA-CHAIN - Screw plug

1430925

https://www.phoenixcontact.com/us/products/1430925

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" sockets

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1443721

https://www.phoenixcontact.com/us/products/1443721

B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/us/products/1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

CUTFOX-S VDE - Diagonal cutter

1212207

https://www.phoenixcontact.com/us/products/1212207

Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

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WIREFOX SAC-1 - Stripping tool

1212757

https://www.phoenixcontact.com/us/products/1212757

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

WIREFOX SAC - Stripping tool

1212623

https://www.phoenixcontact.com/us/products/1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

SAC-5P- 5,0-440/MINFS PWR - Power cable

1443721

https://www.phoenixcontact.com/us/products/1443721

WIREFOX 10 - Stripping tool

1212150

https://www.phoenixcontact.com/us/products/1212150

Stripping tool, for cables and conductors from 0.02 - 10 mm^2, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm^2 stranded/1.5 mm^2 solid, replaceable stripping blade

TSD 08 SAC - Torque screwdriver

1212597

https://www.phoenixcontact.com/us/products/1212597

Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

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1443721

https://www.phoenixcontact.com/us/products/1443721

TSD-M 1,2NM - Torque screwdriver

1212224

https://www.phoenixcontact.com/us/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

https://www.phoenixcontact.com/us/products/1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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1443721

https://www.phoenixcontact.com/us/products/1443721

SAC BIT MIN-D25 - Tool

1212512

https://www.phoenixcontact.com/us/products/1212512

Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive