

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, coding: A, on Socket straight 7/8"-16UNF, coding: A, cable length: 2 m, 2.5 mm² conductor cross section, For power supply

Your advantages

- ✓ 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 pc
GTIN	 4 046356 537216
GTIN	4046356537216

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	63 V DC
Rated surge voltage	4000 V
Number of positions	5
Color handle area	black

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Technical data

General

Insulation resistance	≥ 10 MΩ
Coding	A - standard
Status display	No
Protective circuit/component	unwired
Overvoltage category	II
Degree of pollution	3
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 6.6
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)

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Technical data

Cable

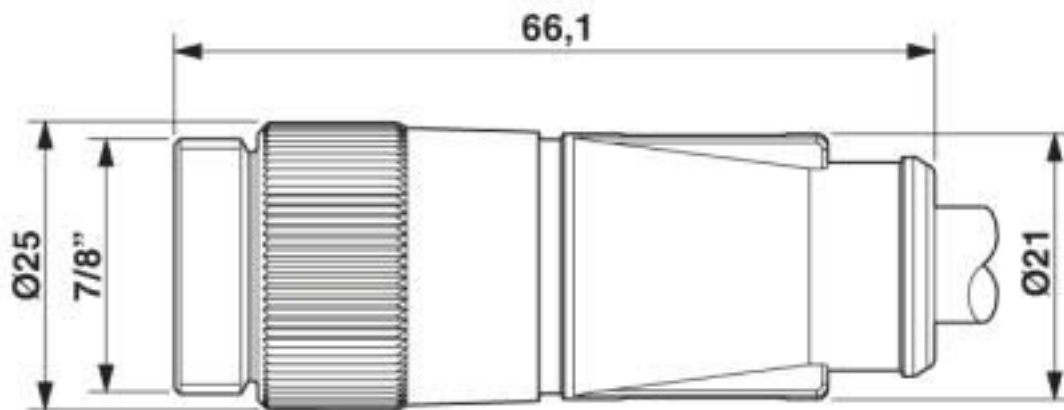
	IEC 60332-1-2
Resistance to oil	good oil-resistance
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

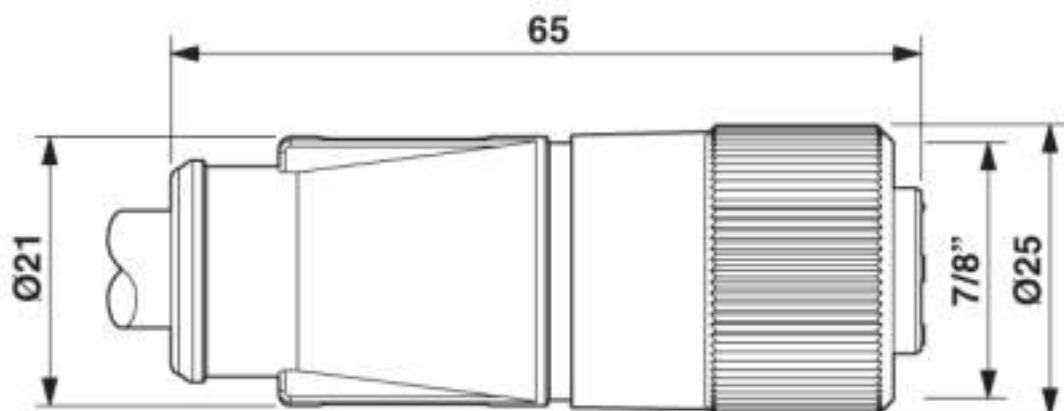
Drawings

Dimensional drawing



7/8"-16UNF plug, straight

Dimensional drawing



7/8"-16UNF socket, straight

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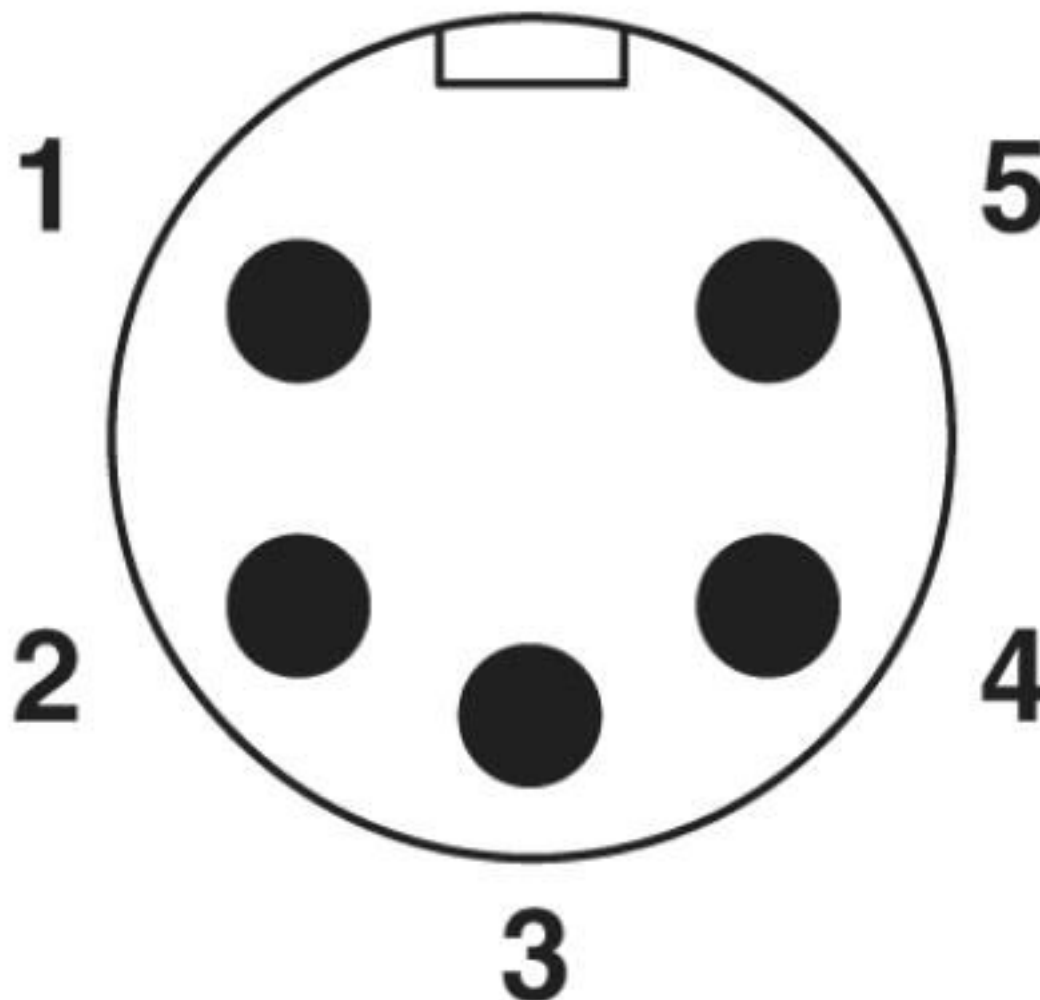
Circuit diagram



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

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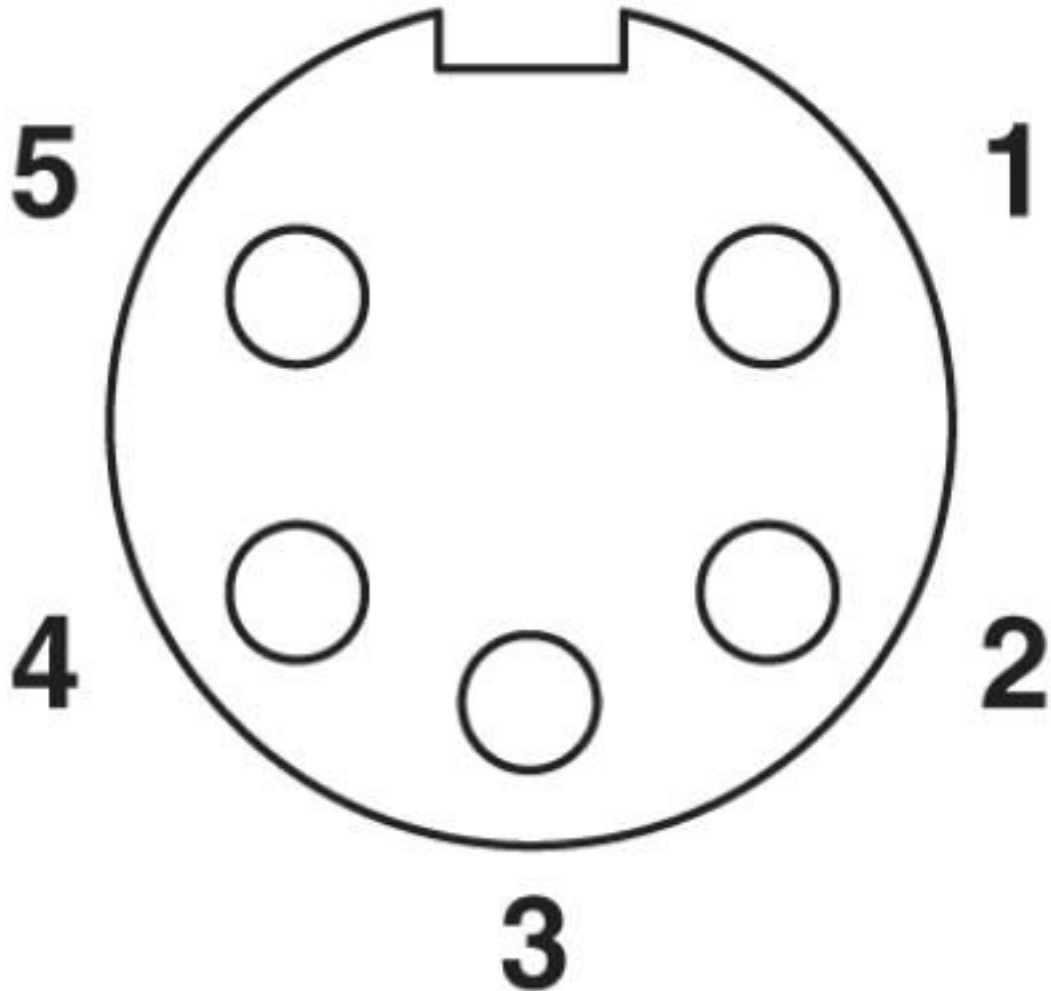
Schematic diagram



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

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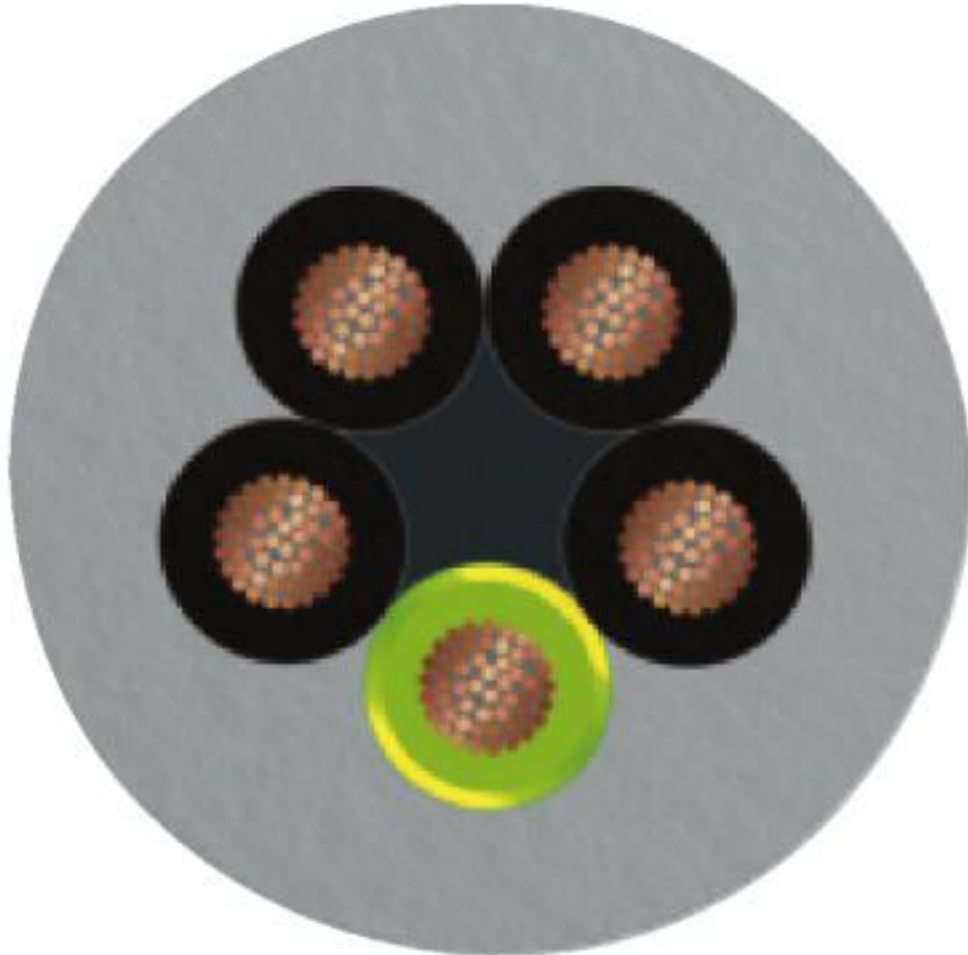
Schematic diagram



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

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Cable cross section



PVC gray [431]

Classifications

eCl@ss

eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

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Classifications

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501
UNSPSC 19.0	31251501

Accessories

Accessories

Conductor marking

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 20

Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 20

Marker pen

Marker pen - B-STIFT - 1051993



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

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Accessories

Plug for cable screw gland

Screw plug - PROT-MINMS-PA-CHAIN - 1430925

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



Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

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



Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



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

Tool - SAC BIT MIN-D25 - 1212512



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

Torque tool

Torque screwdriver - TSD 08 SAC - 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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Accessories

Torque screwdriver - TSD-M 1,2NM - 1212224



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

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