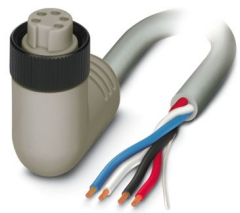
SAC-5P-20,0-U30/MINFR - Bus system cable

1416878

https://www.phoenixcontact.com/us/products/1416878

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Bus system cable, DeviceNet™, 5-position, PVC, gray, shielded, free cable end, on Socket angled 7/8"-16UNF, coding: A, cable length: 20 m

Commercial data

Item number	1416878
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF1IMD
GTIN	4055626219585
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

Technical data

Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	5
Shielded	yes
Coding	A

Material specifications

Flammability rating according to UL 94	V-0
Material of grip body	PVC
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PVC
Material for screw connection	Anodized aluminum

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	300 V AC/DC (UL rating)
	50 V AC/DC (IEC rating)
Nominal current I_N	4 A

Signaling

Status display	no
Status display present	no

Connection data

Conductor connection

Tightening torque	10 lb_f-in.
	1.12 Nm

Connection assignment

Contact | Color (signal designation) | Contact (optional)	1 | SR (shield) | 1 (Socket)
	2 | RD (V+) | 2 (Socket)
	3 | BK (V-) | 3 (Socket)
	4 | WH (CAN_H) | 4 (Socket)
	5 | BU (CAN_L) | 5 (Socket)

Connector

Connection 1

Type	free cable end

Connection 2

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

Cable/line

Cable length	20 m

CANopen®/DeviceNet™, PUR, gray [U30]

Number of positions	5
Shielded	yes
Cable type	CANopen®/DeviceNet™, PUR, gray [U30]
Conductor structure signal line	19 x AWG 36
Conductor structure, voltage supply	19 x AWG 34
Conductor cross-section	2 x AWG 24 data cable
	2 x AWG 22 power supply
	1 x AWG 24 drain wire
External cable diameter	6.60 mm
Outer sheath, material	PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Foamed PE
	PVC (Power supply)
Single wire, color	red-black, blue-white
Twisted pairs	2 cores to the pair
Type of pair shielding	Plastic-coated aluminum foil, aluminum side outside
Overall twist	2 pairs around a drain wire in the center to the core
Optical shield covering	65 %
Flame resistance	FT4
Resistance to oil	OIL RES I
Other resistance	UV resistant (720 h)
Ambient temperature (operation)	-20 °C ... 75 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

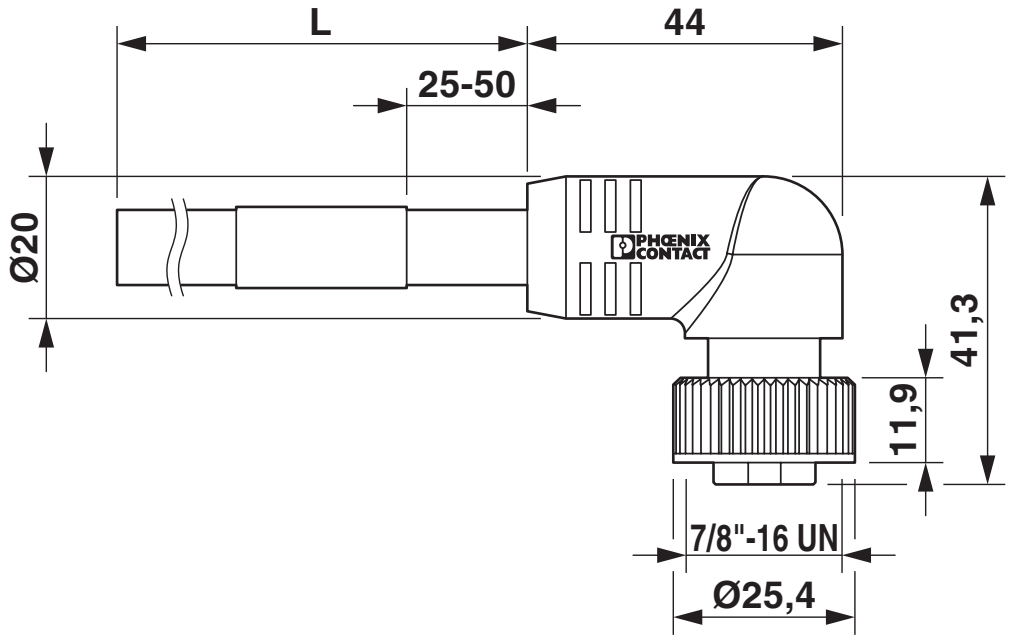
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP68
Ambient temperature (operation) (male connector/female connector)	-20 °C ... 75 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-20 °C ... 75 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-5 °C ... 80 °C (Cable, flexible installation)

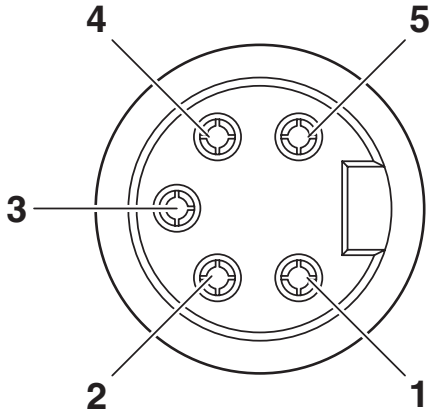
Drawings

Dimensional drawing



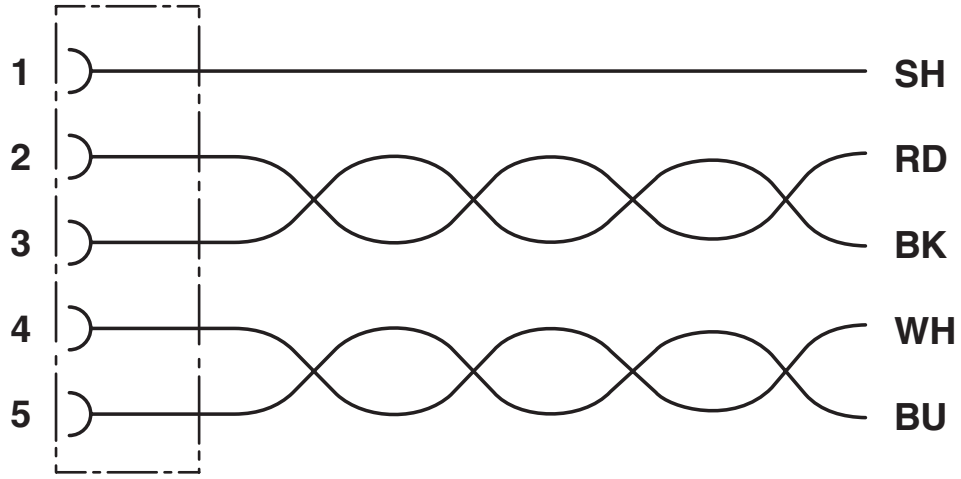
7/8"-16UNF socket, angled

Schematic diagram



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

Circuit diagram



Contact assignment of 7/8" socket

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 9.0	EC001855

UNSPSC

UNSPSC 21.0	31251501

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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