

1416960
<https://www.phoenixcontact.com/us/products/1416960>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	1416960
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF1IMD
GTIN	4055626220062
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

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



1416960

<https://www.phoenixcontact.com/us/products/1416960>

Technical data

Product properties

Product type	Sensor/actuator cable
Application	Standard
Sensor type	DeviceNet™
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
	300 V DC
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

Pin assignment

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

Connector

Connection 1

Type	Plug straight 7/8"-16UNF
------	--------------------------

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



1416960

<https://www.phoenixcontact.com/us/products/1416960>

Coding type	A
-------------	---

Connection 2

Type	free cable end
------	----------------

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 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	UL 1581, FT4
Resistance to oil	OIL RES I according to UL 2256
Other resistance	UV resistant (720 h) (UL 2556)
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)	-20 °C ... 75 °C (Plug / socket)
	-20 °C ... 75 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

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

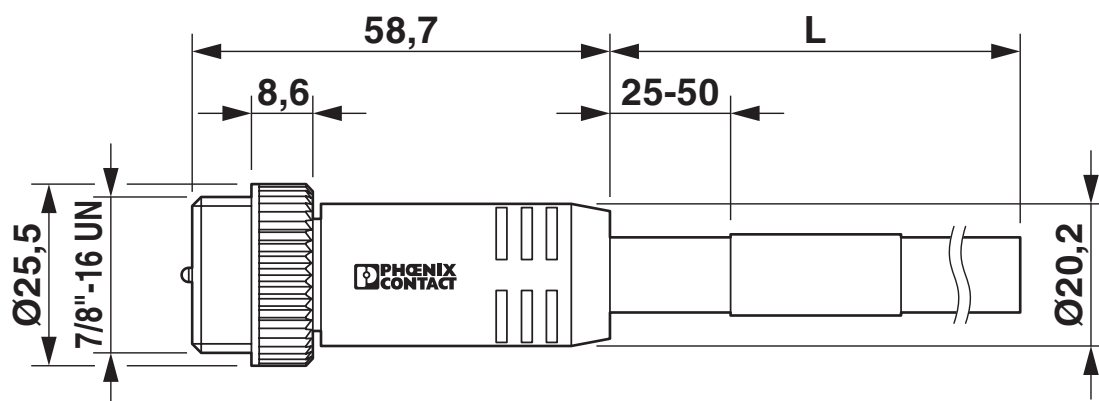


1416960

<https://www.phoenixcontact.com/us/products/1416960>

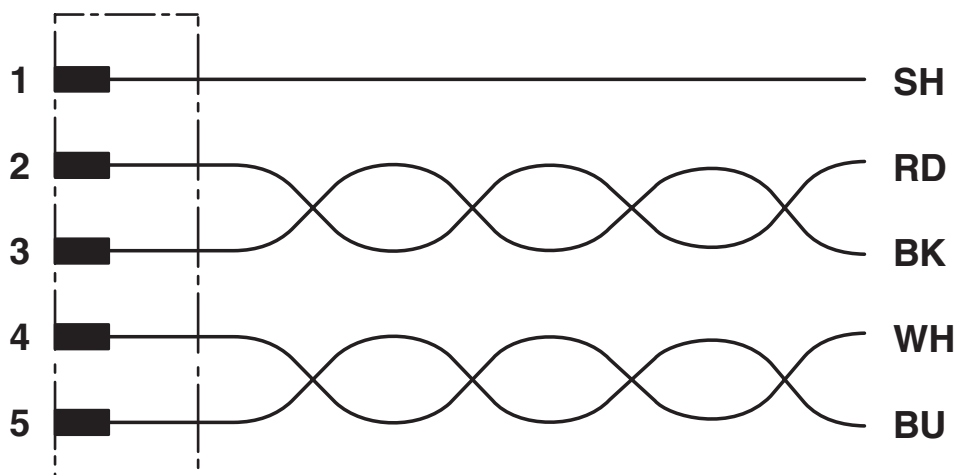
Drawings

Dimensional drawing



7/8"-16UNF plug, straight

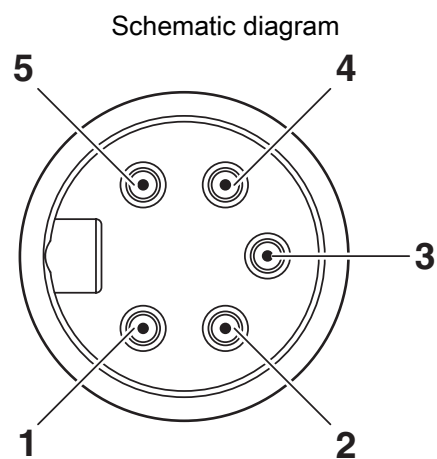
Circuit diagram



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

1416960

<https://www.phoenixcontact.com/us/products/1416960>



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

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



1416960

<https://www.phoenixcontact.com/us/products/1416960>

Classifications

ECLASS

ECLASS-11.0	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307

UNSPSC

UNSPSC 21.0	31251501
-------------	----------

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



1416960
<https://www.phoenixcontact.com/us/products/1416960>

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%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com