

Bus system cable - SAC-5P-MINMS/15,0-U30/MINFS - 1416963

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Bus system cable, DeviceNet™, 5-position, PVC, gray, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, Cable length: 15 m



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85444290
Country of origin	Mexico

Technical data

Dimensions

Length of cable	15 m
-----------------	------

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C (Plug / socket)
Degree of protection	IP68

General

Rated current at 40°C	4 A
Rated voltage	300 V AC/DC
Number of positions	5
Signal type/category	DeviceNet™
Torque	10 lb _F -in.
	1.12 Nm

Material

Contact material	CuZn
------------------	------

Bus system cable - SAC-5P-MINMS/15,0-U30/MINFS - 1416963

Technical data

Material

Contact surface material	Au
Contact carrier material	PVC
Material of grip body	PVC
Material, knurls	Anodized aluminum

Cable

Cable type	CAN Bus/DeviceNet drop cable
Cable abbreviation	U30
Cable structure	2xAWG24+2xAWG22+1xAWG18
Conductor cross section	2 x AWG 24 data cable
	2 x AWG 22 power supply
	1 x AWG 18 drain wire
AWG signal line	24
AWG power supply	22
Conductor structure signal line	19 x AWG 36
Conductor structure, voltage supply	19 x AWG 34
Wire colors	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 %
External sheath, color	gray
External cable diameter D	6.6 mm
Outer sheath, material	PVC
Material conductor insulation	Foamed PE
	PVC (Power supply)
Conductor material	Tin-plated Cu litz wires
Flame resistance	UL 1581, FT4
Resistance to oil	UL oil resistance
Other resistance	PLTC-ER sunlight resistance

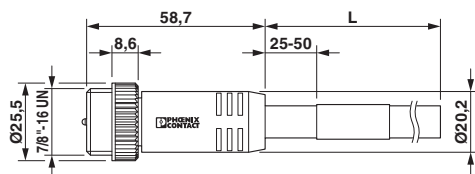
Standards and Regulations

Resistance to oil	UL oil resistance
Flame resistance	UL 1581, FT4
Other resistance	PLTC-ER sunlight resistance

Drawings

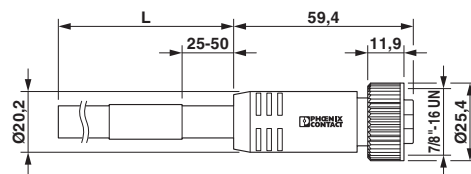
Bus system cable - SAC-5P-MINMS/15,0-U30/MINFS - 1416963

Dimensional drawing



7/8"-16UNF plug, straight

Dimensional drawing



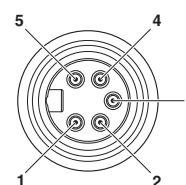
7/8"-16UNF socket, straight

Circuit diagram



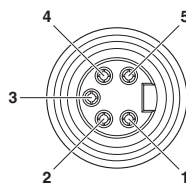
Contact assignment of 7/8" plugs/sockets

Schematic diagram



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

Schematic diagram



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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

Bus system cable - SAC-5P-MINMS/15,0-U30/MINFS - 1416963

Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
cULus Listed			