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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Bus system cable - SAC-5P-MINMS/20,0-U40/MINFS - 1416927

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

### DeviceNet

#### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 219868
GTIN	4055626219868

#### Technical data

##### Dimensions

Length of cable	20 m
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##### Ambient conditions

Ambient temperature (operation)	-20 °C ... 75 °C (Plug / socket)
Degree of protection	IP68

##### General

Rated current at 40°C	8 A
Rated voltage	600 V AC
	600 V DC
Number of positions	5
Color handle area	gray
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Signal type/category	DeviceNet™
Status display	No
Protective circuit/component	Unwired
Torque	10 lbr-in. 1.12 Nm

##### Material

Contact material	CuZn
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# Bus system cable - SAC-5P-MINMS/20,0-U40/MINFS - 1416927

## Technical data

### Material

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

### Cable

Cable type	DeviceNet trunk cable
Cable abbreviation	U40
Cable structure	2xAWG18+2xAWG15+1xAWG18
Conductor cross section	2 x AWG 18 data cable
	2 x AWG 15 power supply
	1 x AWG 18 drain wire
AWG signal line	18
AWG power supply	15
Conductor structure signal line	19 x AWG 30
Conductor structure, voltage supply	19 x AWG 28
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
Shielding	Tinned copper braided shield
Optical shield covering	65 %
External sheath, color	gray
External cable diameter D	11.43 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	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)

### Standards and Regulations

Flame resistance	UL 1581, FT4
Resistance to oil	OIL RES I according to UL 2256
Other resistance	UV resistant (720 h) UL 2556

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
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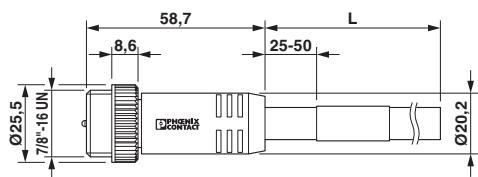
## Technical data

### Environmental Product Compliance

For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

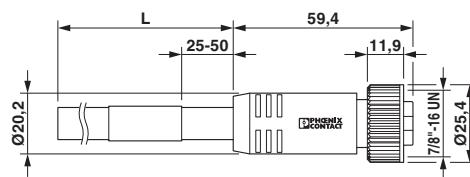
## Drawings

Dimensional drawing



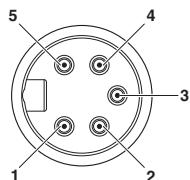
7/8"-16UNF plug, straight

Dimensional drawing



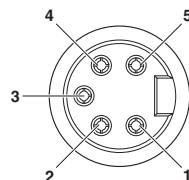
7/8"-16UNF socket, straight

Schematic diagram



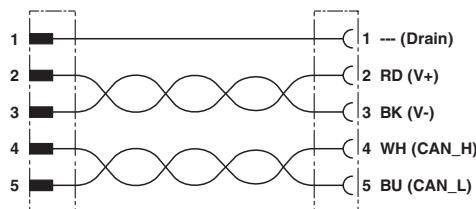
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



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

Circuit diagram



Contact assignment of 7/8" plugs/sockets

## Approvals

### Approvals

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### Approvals

UL Listed / cUL Listed / cULus Listed

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### Ex Approvals

## Bus system cable - SAC-5P-MINMS/20,0-U40/MINFS - 1416927

### Approvals

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#### Approval details

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



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