

## Bus system cable - SAC-5P-MINMS/ 2,0-U30/MINFS - 1416689


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Bus system cable, DeviceNet™, 5-position, PVC, gray, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, cable length: 2 m

### DeviceNet

#### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 219547
GTIN	4055626219547

#### Technical data

##### Dimensions

Length of cable	2 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	4 A
Rated voltage	600 V AC 600 V DC
Number of positions	5
Coding	A - standard
Signal type/category	DeviceNet™
Status display	No
Protective circuit/component	Unwired
Torque	10 lb <sub>F</sub> -in. 1.12 Nm

##### Material

Contact material	CuZn
Contact surface material	Au
Contact carrier material	PVC

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## Technical data

### Material

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
Shielding	Tinned copper braided shield
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	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)

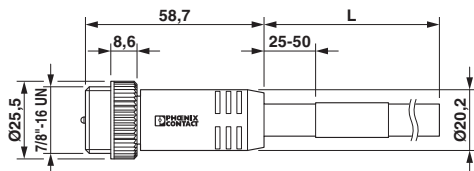
### Standards and Regulations

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

### Drawings

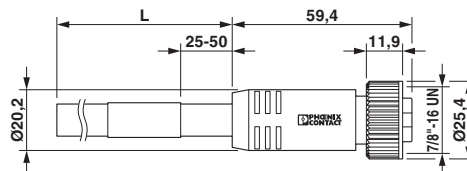
# Bus system cable - SAC-5P-MINMS/ 2,0-U30/MINFS - 1416689

Dimensional drawing



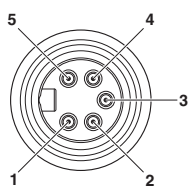
7/8"-16UNF plug, straight

Dimensional drawing



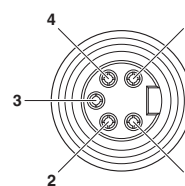
7/8"-16UNF socket, straight

Schematic diagram



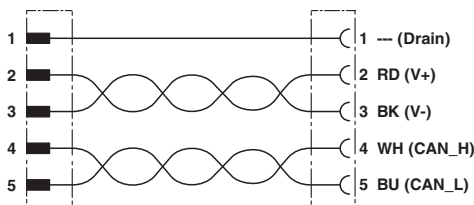
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

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

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals


## Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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### Approvals

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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cULus Listed	
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