PHŒNIX CONTACT

Flush-type connector - SACC-E-MINM-5CON-NPT12-U40/1,0 - 1420959

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Flush-type connector, 5-position, PVC/PVC, gray, Plug, straight, 7/8"-16UNF, on free cable end, Front mounting, with 1/2 inch-14 NPT mounting thread, Individual wires, cable length: 1 m

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
GTIN	4 055626 341507
GTIN	4055626341507

Technical data

Dimensions

Length of cable	1 m

Ambient conditions

Ambient temperature (operation)	-20 °C ... 80 °C (Plug)
Degree of protection	IP68

General

Rated current at 40°C	8 A
Rated voltage	300 V AC/DC
Number of positions	5
Insulation resistance	$\geq$ 100 MΩ
Standards/regulations	7/8-inch connector UL 2238 Suitable for use in Class I, Division 2 Groups A, B, C, D hazardous locations according to ISA standard 12.12.01-2015, section 8.2 and 8.8.3
Status display	No
Overvoltage category	UL 2238 Section 38
Degree of pollution	3
Connection method	Individual wires

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Technical data

General

Insertion/withdrawal cycles	> 500
Torque	10 lb$_F$-in.
	1.12 Nm
Mounting type	Front mounting, with 1/2 inch-14 NPT mounting thread

Material

Flammability rating according to UL 94	V-0
Contact material	Copper alloy
Contact surface material	Au
Contact carrier material	PVC
Material, knurls	Anodized aluminum

Cable

Cable type	CAN Bus/DeviceNet
Cable abbreviation	U40
Cable structure	2xAWG18+2xAWG15+1xAWG18
Conductor cross section	0.75 mm² (2 x AWG 18 data cable)
	1.75 mm² (2 x AWG 15 power supply)
	0.75 mm² (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
Core diameter including insulation	11.43 mm
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 and one drain wire to the core
Optical shield covering	65 %
External sheath, color	gray
Outer sheath, material	PVC
Material, inner sheath	PVC
Material conductor insulation	PVC (Power supply)
	Foamed PE (Data)
Standards/specifications	7/8-inch connector UL 2238 Suitable for use in Class I, Division 2 Groups A, B, C, D hazardous locations according to ISA standard 12.12.01-2015, section 8.2 and 8.8.3

Standards and Regulations

Standard designation	7/8-inch connector
Standards/regulations	UL 2238
Flammability rating according to UL 94	V-0

Environmental Product Compliance

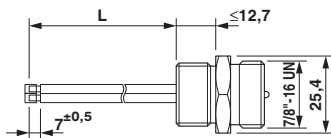# Flush-type connector - SACC-E-MINM-5CON-NPT12-U40/1,0 - 1420959

Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing
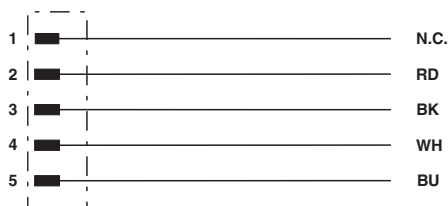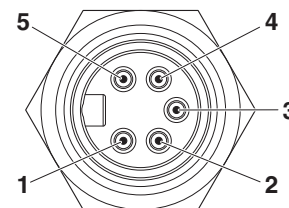
7/8" flush-type plug

Dimensional drawing
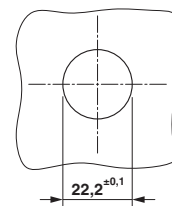
Housing cutout

Circuit diagram

Contact assignment of the 7/8" plug

Schematic diagram

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

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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	