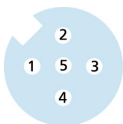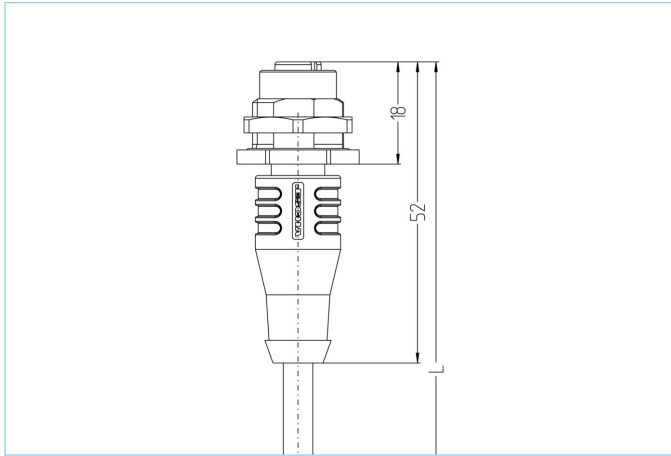# Receptacle Single-ended cordset, M12, female, straight, 5 poles, back wall-mounting, shielded, CANopen/DeviceNet

CANopen

Product data

Item description	CD-FKFDS5.022-10/16/S2800
Item-No.	8071572
Length	10m
Customs tariff-No.	85444290
EAN	4047106331474

Technical data

Connector	female, straight, M12
Number of pins	5
Pin assignment	1 (GND), 2 RD (+), 3 BK (-), 4 WH (CAN_H), 5 BU (CAN_L)
Coding	A
Rated voltage	60V
Current load per pin (at 40°C)	4A
Insulation resistance	≥10^{8}Ω
Ambient temperature product	-30°C...+70°C
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, TPU, BK
Grip body material	Plastic, TPU, BK
Receptacle housing material	Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM
Material of external sealing	NBR
Shielding	with shielding
Mounting direction	Back wall-mounting (incl. Fixing screw)
Adjustable fixing screw	Yes
Fastening thread	M16x1.5

Connecting type	Cable
Standards	IEC 61076-2-101
Degree of protection (mounted)	IP67, IP69
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3
Style	straight

Cable web	PUR, UL, S2800, CANopen/DeviceNet

UL- and CSA-listed shielded PUR-cable for automation technology. As a data transmitter, it supports CANopen as well as DeviceNetbased fieldbuses. High transmission rates enable transport of real-time data. Due to the constructive setup and the materials used, increased mechanical stresses (abrasion, bending, vibrations etc.) do not pose any restrictions to the application. Drag-chain application is possible. (>2.5million bending cycles).

Outer diameter of jacket	6.90 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	2 x 0.25 mm²+ 2 x 0.34 mm²
Wire insulation material	PE/PP
Wire colors	WH, BU, RD, BK
Wire structure	19 x 0.13mm (0.25mm²), 19 x 0.15mm (0.34mm²)
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-25°C...+80°C
Temperature range (fixed)	-50°C...+80°C
Drag chain-application	>2.5Mio. cycles
Shielding	Yes, with stranded wire
Halogen-free	Yes
Rated voltage cable	≤300 V
Special features	flame retardant, halogen free, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, UV resistant

Classification	
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440103
ETIM 5.0	EC002061
ETIM 6.0	EC002061

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.
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