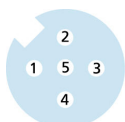
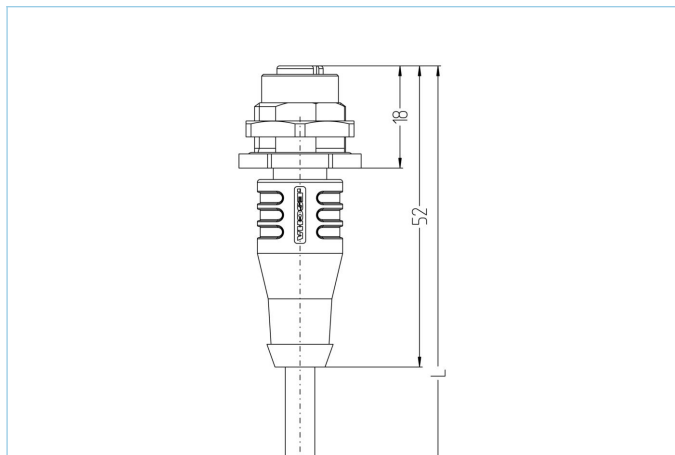


# Receptacle Single-ended cordset, M12, female, straight, 5 poles, back wall-mounting, shielded, CANopen/DeviceNet



CANopen



## Product data

Item description	CD-FKFD55.022-m/16/S2800
Item-No.	V0006468
Länge	on demand
Customs tariff-No.	85444290

## 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 <sup>9</sup> 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 mm <sup>2</sup> + 2 x 0.34 mm <sup>2</sup>
Wire insulation material	PE/PP
Wire colors	WH, BU, RD, BK
Wire structure	19 x 0.13mm (0.25mm <sup>2</sup> ), 19 x 0.15mm (0.34mm <sup>2</sup> )
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