

## Receptacle Single-ended cordset, M12, shielded



**SERCOS**  
the automation bus



### Product data

Item description	IE-FKFDSY4.029-2/16/S3800/S38
Item-No.	8063599
Length	2m
Customs tariff-No.	85444290
Step-File	IE-FKFDSY4_029-m_16.stp
EAN	4047106149390

### Technical data

Connector	female, straight, M12
Number of pins	4
Pin assignment	1 YE, 2 WH, 3 OG, 4 BU
Coding	D
Rated voltage	250V
Current load (at 40°C)	4A
Insulation resistance	≥10 <sup>9</sup> Ω
Transmission features	Cat5e
Ambient temperature product	-30°C...+90°C
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, RD
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)
Connecting type	Cable
Adjustable fixing screw	Yes
Fastening thread	M16x1.5

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

<b>Cable</b>	<b>Cat5e, PUR, UL, S3800, Sercos</b>
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Shielded PUR-cable for industrial applications. The cable is CMX-verified or meets the Cat5e (electrical properties of EN 50288-2-1) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable. A drag-chain application with up to 3million bending cycles is possible.

Outer diameter of jacket	6,50 mm
Cable-jacket material	PUR
Jacket color	RD, similar RAL3020
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	FRNC
Wire colors	OG, WH, BU, YE
Conductor structure	7 x 0.254 mm
Bending radius (fixed)	4 x Ø-cable
Bending radius (repeated)	8 x Ø-cable
Temperature range (repeated)	-40°C...+80°C
Temperature range (fixed)	-40°C...+80°C
Temperature range (drag chain)	-40°C...+80°C
Drag chain-application	up to 3 Mio. bending cycles
Halogen-free	Yes
Transmission features	Cat5e
Rated voltage cable	300 V UL rating
Special features	flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, halogen free, oil resistant, high flexibility, microbes resistant

<b>Classification</b>	
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