

## Connector - SACC-M12FSD-4CT-CM SH PN - 1422848

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Connector, PROFINET CAT5 (100 Mbps), 4-position, shielded, Socket straight M12, D-coded, Crimp connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4.5 mm ... 7.5 mm, without crimp contacts

### Your advantages

- ✓ Extremely compact, thanks to the small wiring space and high contact density
- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Safely shielded: reliable shield connection even under extreme mechanical strain
- ✓ Robust connection: suitable for railway applications with high shock and vibration loads
- ✓ Automated processing possible
- ✓ Protected seal in the M12 socket



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 357751
GTIN	4055626357751

### Technical data

#### Dimensions

Wrench size, union nut	15 mm
Diameter housing	16 mm
Length	42 mm
External cable diameter	4.5 mm ... 7.5 mm
Stripping length of the sheath	18 mm
Stripping length of the individual wire	4 mm +0,5 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
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#### General

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## Technical data

### General

Note	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Rated current at 40°C	4 A
Rated voltage	48 V AC
	60 V DC
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
	Shock, vibration EN 50155:2001
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Crimp connection
Conductor cross section	0.14 mm <sup>2</sup> ... 1 mm <sup>2</sup> (flexible)
Conductor cross section AWG	26 ... 18 (flexible)
Wire diameter incl. insulation	≤ 2.55 mm
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	4 Nm (Pressure nut with coupling sleeve)

### Material

Flammability rating according to UL 94	V0
Contact carrier material	PA 6.6
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Standard designation	Shock, vibration
Standards/regulations	EN 50155:2001
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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### Approvals

Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		EAC-Zulassung
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