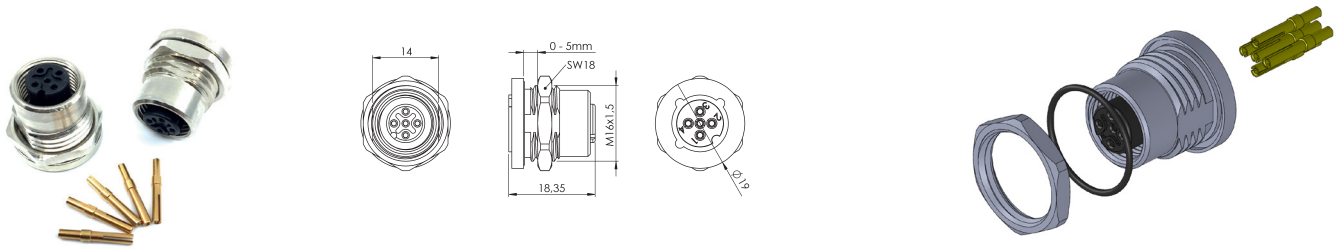


M12 Connectors A-Coded M12CFP Series

EMI/RFI shielded female panel connector front assembly with crimp contacts



PART NUMBERING SYSTEM

M12 S C24 S 4 A FP

Connector: _____	_____	_____	_____	_____	_____	_____	_____	Connector type: FP = front panel assembly
M12	_____	_____	_____	_____	_____	_____	_____	Coding: A
EMI/RFI: _____	_____	_____	_____	_____	_____	_____	_____	Number of contacts: 3, 4, 5 or 8
S = metal connector body version	_____	_____	_____	_____	_____	_____	_____	Connector gender: S = female connector
Type of contacts: _____	_____	_____	_____	_____	_____	_____	_____	
C24 = crimp contacts AWG 24-20 (0,21 - 0,52 mm ²) for 3 - 5 ways	_____	_____	_____	_____	_____	_____	_____	
C248 = crimp contacts AWG 24-22 (0,21 - 0,33 mm ²) for 8 ways	_____	_____	_____	_____	_____	_____	_____	

TECHNICAL SPECIFICATIONS

General values

Connector design	Female panel connector	
Locking system	M12 x 1	
Termination	Crimp	
Wire gauge	0,21 - 0,52 mm ²	(3 - 5 ways)
	0,21 - 0,33 mm ²	(8 ways)
Panel thickness	≤ 4 mm	
Temp. range	-25°C to 85°C	IEC 60664-1
IP rating	IP67	IEC 60529
Mounting torque	60 Ncm	

Electrical values

Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

Material

Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM