

Receptacles

V15-M16H-500

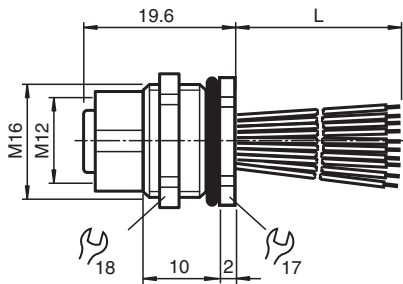


■ Rear/screw mounting

Receptacles, M12/M16, 5-pin



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		5
Coding		A-coded
Connector 2		
Connection		cable end

Electrical specifications

Operating voltage	U_B	max. 60 V DC
Test voltage		> 2000 V _{eff} AC
Operating current	I_B	max. 4 A
Volume resistance		< 3 mΩ
Insulation resistance		min. 100 MΩ

Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		UL 94

Ambient conditions

Ambient temperature		
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Release date: 2025-02-17 Date of issue: 2025-02-17 Filename: 257468_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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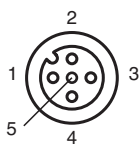
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 **PEPPERL+FUCHS**

Technical Data

Cable, fixed installation		-40 ... 85 °C (-40 ... 185 °F)
Cable, flexing		-25 ... 85 °C (-13 ... 185 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Mating cycles		min. 100
Degree of protection		IP65 / IP67
Connection		tinned copper single leads, Ø1.2 ±0.07 mm
Cable		
Number of cores		5
Core cross section		0.34 mm²
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black Core 5: grey
Core construction		7 x 0.25 mm Ø AWG 22
Length	L	500 mm
Installation		Rear mounting M16 , tightening torque: 3 ... 4 Nm
Mass		25 g
Material		
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Seal		FKM
Contact surface		gold plated (Au)
Flammability		V-0
Cable		
Core insulation		TPE
General information		
Scope of delivery		locknut included

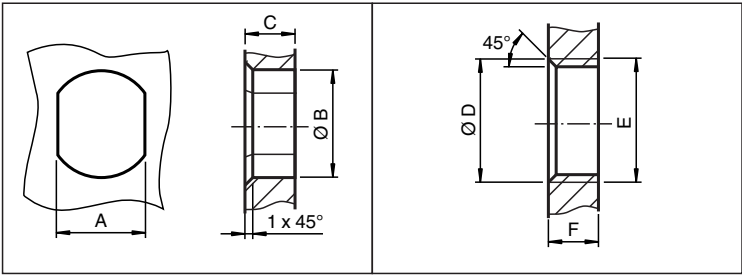
Connection



1	⤴		BN
2	⤴		WH
3	⤴		BU
4	⤴		BK
5	⤴		GY

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Mounting



	A	B	C	D	E	F
M8	7.1 ^{+0.1}	Ø 8.2 ^{+0.1}	2 - 4 mm	-	M8x0.5	2 - 4 mm
M12	11 ^{+0.1}	Ø 12.2 ^{+0.1}	< 4 mm	-	M12x1	< 4.5 mm
M16	13.5 ^{+0.1}	Ø 16.1	< 4.5 mm	Ø 17 ^{+0.2}	M16x1.5	> 2.5 mm
M20	13.5 ^{+0.1}	Ø 20.1	-	Ø 20 ^{+0.2}	M20x1.5	< 6 mm
PG9	13.5 ^{+0.1}	Ø 15.3 ^{+0.1}	< 4.5 mm	Ø 16	PG9	> 2.5 mm
PG13.5	18.8 ^{+0.1}	Ø 20.5 ^{+0.1}	-	Ø 22 ^{±0.1}	PG13.5	-

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