

Male receptacle

V1S-PG9-500

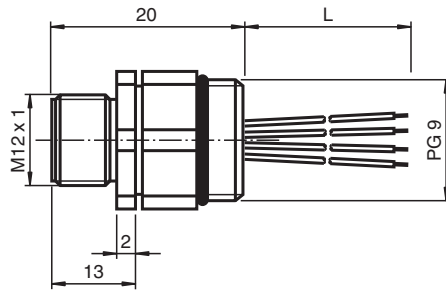


- Front/screw mounting
- Suitable for 2-, 3- and 4-wire technology

Male receptacle, M12/PG9, 4-pin



Dimensions



Technical Data

General specifications			
Number of pins			4
Connection 1			plug
Construction type 1			straight
Threading 1			M12
Connection 2			cable end
UL File Number			E191152
Electrical specifications			
Operating voltage	U_B		max. 250 V
Test voltage			2000 V AC
Operating current	I_B		max. 4 A
Volume resistance			< 3 m Ω
Insulation resistance			min. 20 M Ω
Ambient conditions			
Ambient temperature			-25 ... 85 °C (-13 ... 185 °F) active -40 ... 85 °C (-40 ... 185 °F) fixed
Pollution degree			3

Release date: 2023-08-14 Date of issue: 2023-08-14 Filename: 456939_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

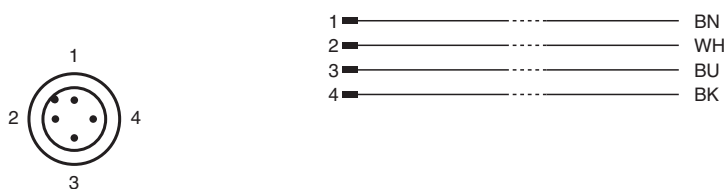
 PEPPERL+FUCHS

Technical Data

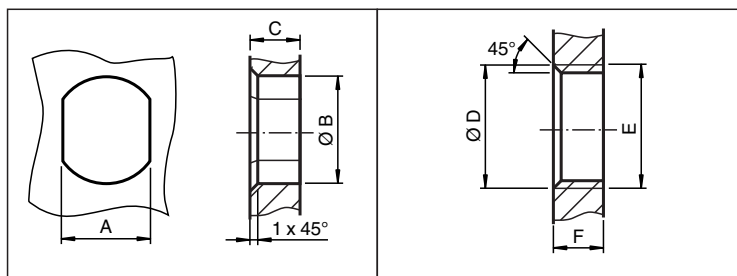
Mechanical specifications

Pin diameter	1 mm	
Degree of protection	IP67	
Connection	tinned copper single leads, Ø1.2 ±0.07 mm	
Material		
Contacts	CuZn	
Contact surface	Ni/Au	
Threaded bushings	Zinc diecast, nickel-plated	
Seal	NBR	
Core insulation	TPE	
Cable		
Number of cores	4	
Core cross section	0.34 mm ²	
Conductor construction	7 x 0.25 mm Ø	
Length	L	500 mm
Installation	Front mounting PG9	

Connection Assignment




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	-

Release date: 2023-08-14 Date of issue: 2023-08-14 Filename: 456939_eng.pdf

Accessories

	LOCKNUT PG9 NICKEL BRASS	Nut, nickel-plated brass
---	---------------------------------	--------------------------

Release date: 2023-08-14 Date of issue: 2023-08-14 Filename: 456939_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com