



**Model Number**

**V19-M16-500**  
Receptacles, M12/M16, 8-pin

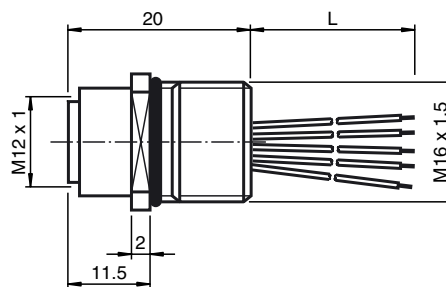
**Features**

- Front/screw mounting

**Accessories**

**LOCKNUT M16 NICKEL BRASS**  
Nut, nickel-plated brass

**Dimensions**



**Technical data**

**General specifications**

Number of pins	8
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	cable end
UL File Number	E191152

**Electrical specifications**

Operating voltage	$U_B$	max. 30 V DC
Test voltage		> 2000 V <sub>eff</sub> AC
Operating current	$I_B$	max. 2 A
Volume resistance		< 3 mΩ
Insulation resistance		≥ 100 MΩ

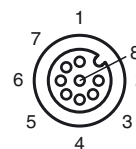
**Ambient conditions**

Ambient temperature	-25 ... 85 °C (-13 ... 185 °F) active
	-40 ... 85 °C (-40 ... 185 °F) fixed
Pollution degree	3

**Mechanical specifications**

Degree of protection	IP65/IP67
Connection	Tinned copper single leads, Ø1.15 ±0.07 mm
<b>Material</b>	
Contacts	CuZn
Contact surface	Au
Threaded bushings	Zinc die-casting, nickel-plated
Seal	FKM
Core insulation	TPE
<b>Cable</b>	
Cores	8 x 0.25 mm <sup>2</sup>
Conductor construction	14 x 0.15 mm Ø AWG 24
Length	L 500 mm
Installation	Front mounting M16

**Electrical connection**

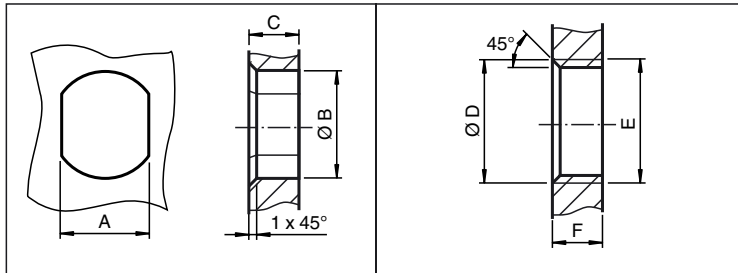


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**Electrical connection**

- 1) ..... WH
- 2) ..... BN
- 3) ..... GN
- 4) ..... YE
- 5) ..... GY
- 6) ..... PK
- 7) ..... BU
- 8) ..... RD

**Installation Note**



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