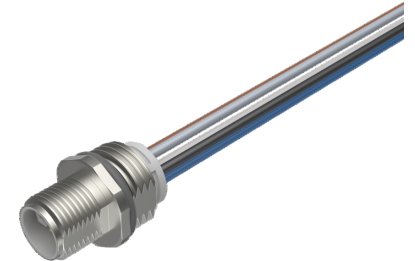
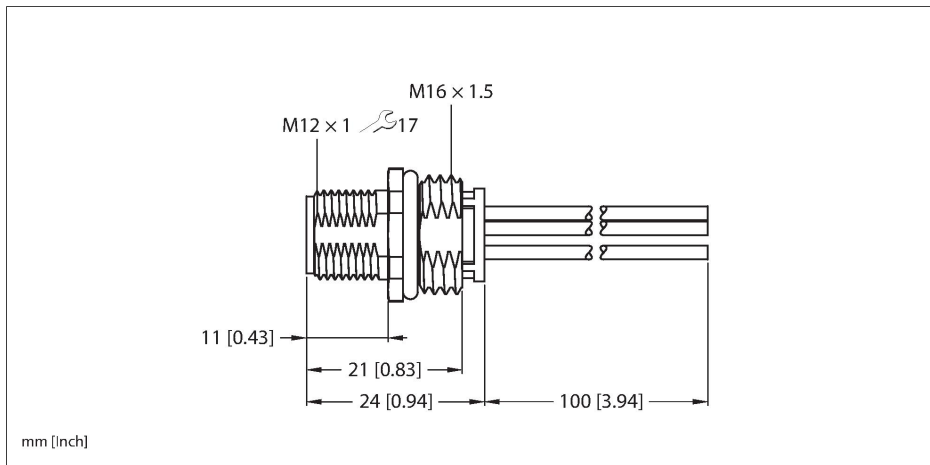


FS54PL-0.5/M16

M12 Power Flange – Front-mounted



Technical data

Type	FS54PL-0.5/M16
ID	100003946
Connector A	Male, M12 × 1, L-coded
Design specification	acc. to IEC 61076-2-111
Number of Pins	4+FE
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic
Flange housing	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.4 ... 1 Nm (observe max. torque of mating connector!)
Mounting type	front panel mounting
Screw-in thread seal	O-ring, NBR
Screw-in thread	M16 × 1.5
Flange tightening torque	2.5...7.3 Nm
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP68
	NEMA: 1, 3, 4, 6P
Conductor data	
Number of cores	5
Cable length	0.5 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger)
Conductor material	TC (tinned copper)
Core insulation	PVC
Core cross-section	5 x 14 AWG [Similar to 2.50 mm²]
Core colors	BN, WH, BU, BK, GY

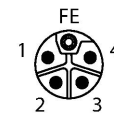
Features



■ M12-Stecker, L-codiert, 4-polig + FE

Contact assignment

Connector A



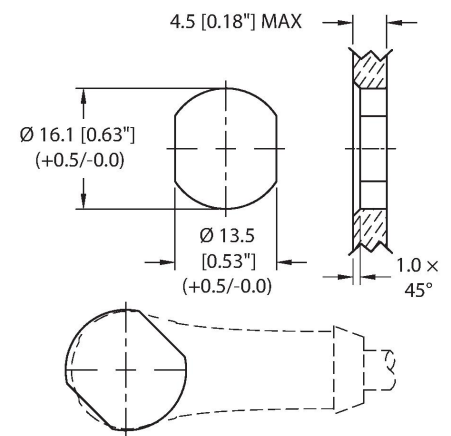
Circuit Diagram

1	BN
2	WH
4	BK
3	BU
5	GY

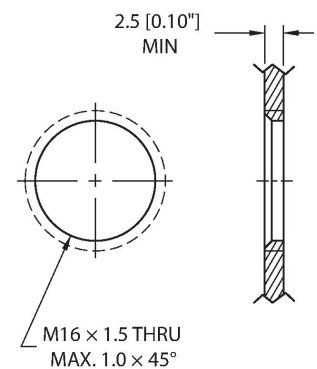
Technical data

Electrical properties at +20 °C	
Rated voltage	63 V
Current	16 A
Mechanical and chemical properties	
Ambient temperature range (stationary)	-40 °C...+85 °C
Approvals	CE UKCA
Note	
CAUTION: RISK OF ELECTRIC SHOCK! DO NOT DISCONNECT UNDER LOAD!	
- We reserve the right to make technical modifications without prior notice.	

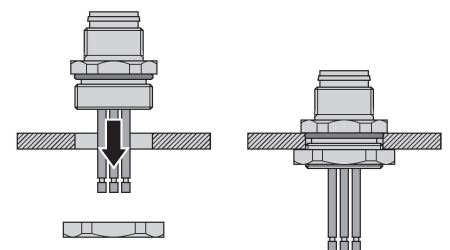
Through bore



Threaded bore



Front panel mounting



Derating curve

