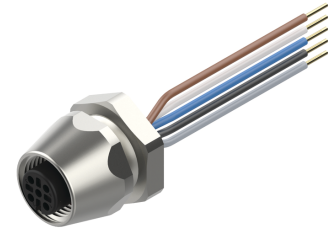
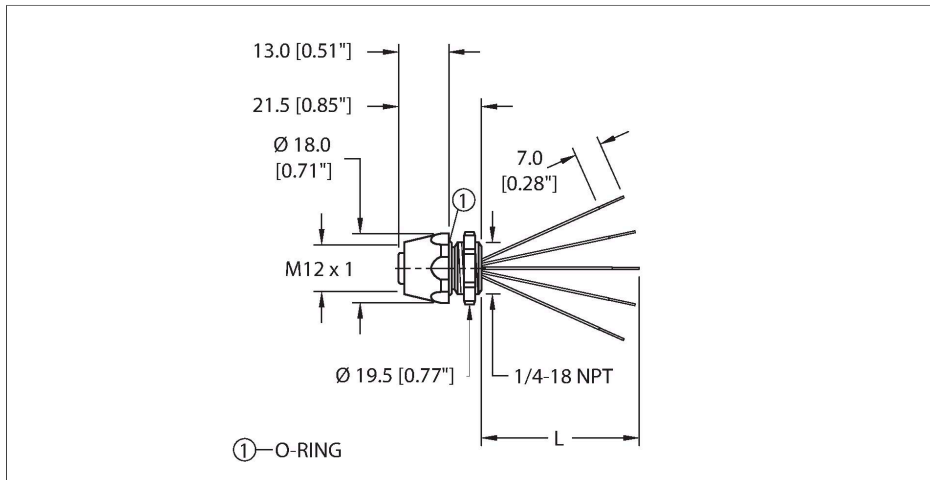


FK 4.5-7/18.25

Actuator and Sensor Receptacle – Front Mount



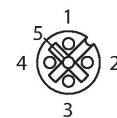
Features



- M12, Female, Receptacle, 5-pin
- Mounting thread: 1/4"-18 NPT

Contact assignment

Connector A



Circuit Diagram

1	BN
2	WH
3	BU
4	BK
5	GY

Technical data

Type	FK 4.5-7/18.25
ID	U-09781
Connector A	Female, M12 × 1, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector seal	O-ring, Plastic, FKM/FPM
Housing material/finish	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.4 ... 1.8 Nm (note max. torque of mating connector!)
Mounting orientation	Front mount
Panel seal	Gasket, NBR
Mounting thread	1/4"-18 NPT
Locknut	Brass, CuZn, Nickel-plated
Receptacle mounting torque	3.5...6.2 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP68
	NEMA: 1, 3, 4, 6P
Total number of conductors	5
Length (L)	7 m
Conductor material	TC (tinned copper)
Conductor insulation material	PVC

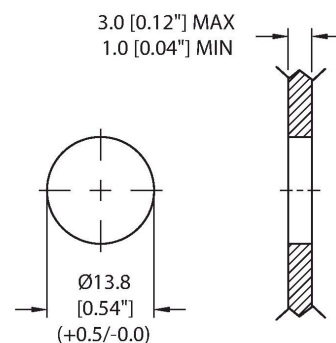
Technical data

Conductor size	22 AWG [Similar to 0.34 mm ²]
Conductor colors	BN, WH, BU, BK, GY
Electrical properties at +20 °C	
Rated voltage	250 V
Current	4 A
Mechanical and chemical properties	
Ambient temperature range (static)	-40...+105 °C
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS

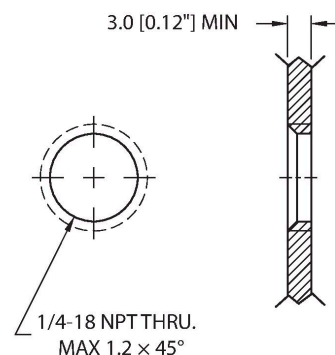
Note

- We reserve the right to make technical alterations without prior notice.

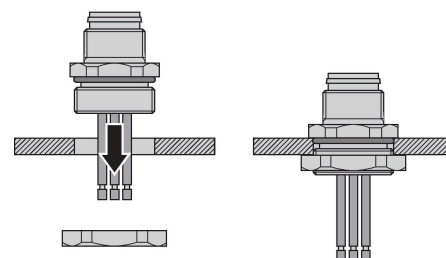
Mounting hole - Through



Mounting hole - Threaded

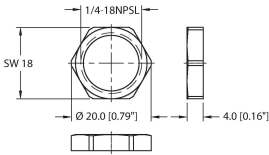


Front panel mounting



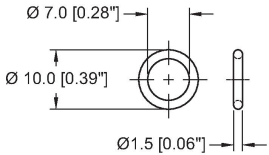
Accessories

LOCKNUT-1/4NPT-BRASS-(10/BAG) **100024933**



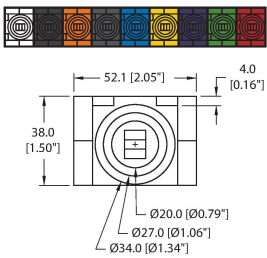
Locknut, 1/4NPT, Brass, Nickel-plated, 10 per bag

ORING-Ø7x1.5-M12-(10/BAG) **100024937**



10 pack of Ø7x1.5 FKM O-rings for female M12 connectors

DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1) **100008955**



1 decal sticker containing 9 different color sets of 11 decals to color code a sensor, junction block port, cable end, or receptacle. 5ct 4x9mm rectangles, 4ct 8x19mm rectangles, 1ct 27mm ID ring, 1ct 20mm ID ring.