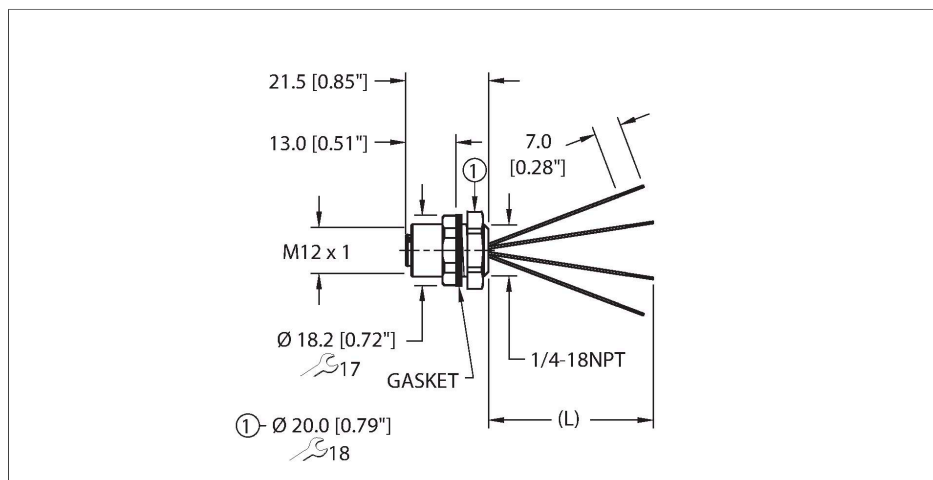


EFKBQ-A4.400.2-2

Actuator and Sensor Receptacle – Front Mount



Technical data

Type	EFKBQ-A4.400.2-2
ID no.	100012214
Connector A	Female, M12 × 1, A-code
Design specification	Acc. to IEC 61076-2-101
Number of Pins	4
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector seal	O-ring, 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)	IP67, IP68, IP69, IP69K NEMA: 1, 3, 4, 6P, 12
Stranded wires	
Total number of conductors	4
Cable length (L)	2 m (+50mm or 4% of length/-0.0, Whichever is greater)

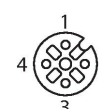
Features



- M12, Female, Receptacle, Front mount, 4-pin
- Mounting thread: 1/4"-18 NPT
- Conductor length: 2 m

Contact assignment

Connector A



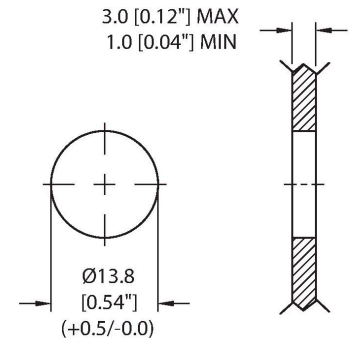
Circuit Diagram



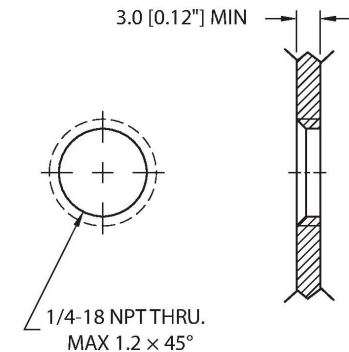
Technical data

Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	22 AWG [Similar to 0.34 mm ²]
Conductor colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V _{AC} /300 V _{DC}
Current	4 A
Mechanical and chemical properties	
Ambient temperature range (static)	-40 °C...+105 °C
Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE RoHS
Note	
- We reserve the right to make technical alterations without prior notice.	

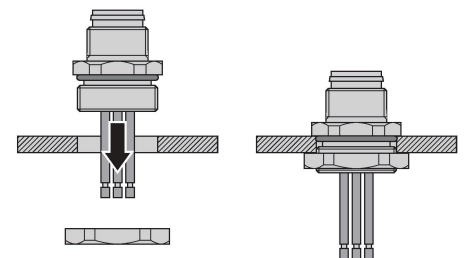
Mounting hole - Through



Mounting hole - Threaded



Front panel mounting



Accessories

M12-GASKET-PG9,M16,1/4NPT-(10/BAG) 100015009

Ø 13.2 [0.52"]
Ø 18.5 [0.73"]
1.6 [0.06"]

Gasket, Black NBR, Fits PG9, M16 and 1/4NPT mounting threads, 10 per bag

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

52.1 [2.05"]
38.0 [1.50"]
4.0 [0.16"]
Ø 20.0 [Ø0.79"]
Ø 27.0 [Ø1.06"]
Ø 34.0 [Ø1.34"]

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.

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

1/4-18NPSL
SW 18
Ø 20.0 [0.79"]
4.0 [0.16"]

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

ORING-Ø7x1.5-M12-(10/BAG) 100024937

Ø 7.0 [0.28"]
Ø 10.0 [0.39"]
Ø 1.5 [0.06"]

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