FS 4.4-0.1/18.25
Actuator and Sensor Receptacle – Front Mount

21.5 [0.85]
13.0 [0.51]
9.5 [0.37]
7.0 [0.28]
1
M12 × 1
Ø 18.2 [0.72] 🔧 17
1/4-18NPT
Ø 20.0 [0.79] 🔧 18
(L)
mm [Inch]
1 GASKET

Technische Daten

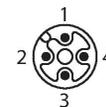| Type	FS 4.4-0.1/18.25
ID	U9507-00
Connector A	Male, M12 × 1, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Housing material/finish	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.4 … 1.8 Nm (note max. torque of mating connector!)
Mounting orientation	Front mount
Panel seal	O-ring, 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	4
Length (L)	0.1 m
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	22 AWG [Similar to 0.34 mm²]

Features

■ M12, Male, Receptacle, Front mount, 4-pin
■ Mounting thread: 1/4"-18 NPT
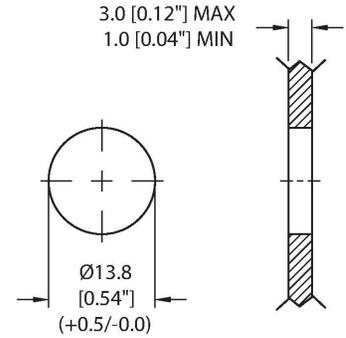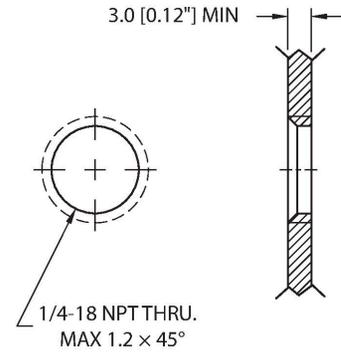
Contact assignment

Connector A

Circuit Diagram

1	BN
2	WH
3	BU
4	BK

Technische Daten

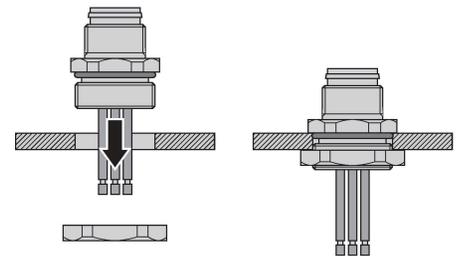|	
Conductor colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V
Current	4 A
Mechanical and chemical properties	
Ambient temperature range (static)	-40…+105 °C
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS
Note	
	- We reserve the right to make technical alterations without prior notice.

Mounting hole - Through

3.0 [0.12"] MAX
1.0 [0.04"] MIN

Ø13.8
[0.54"]
(+0.5/-0.0)

Mounting hole - Threaded

3.0 [0.12"] MIN

1/4-18 NPT THRU.
MAX 1.2 × 45°
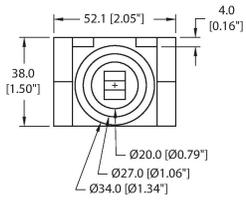
Front panel mounting

Montagezubehör

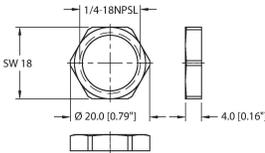| DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1)	100008955

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.

Montagezubehör

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

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