EFKBG-A8.800.4-1
Actuator and Sensor Receptacle –   Front Mount

22.0 [0.86]
12.0 [0.47]
9.5 [0.37]
7.0 [0.28]
M12 × 1
Ø 18.2 [0.72] ⟋17
PG 9
Ø 20.0 [0.79] ⟋18
(L)
mm [Inch]
① GASKET

Technische Daten

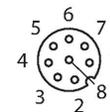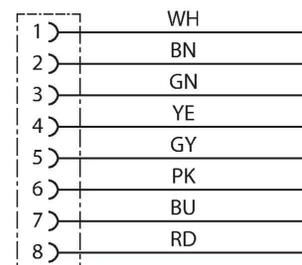| Type	EFKBG-A8.800.4-1
ID	100034201
Replaces	FK 8-x
Connector A	Female, M12 × 1, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	8
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector seal	O-ring, Plastic, FKM/FPM
Housing material/finish	Brass, CuZn, 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	PG9
Locknut	Brass, CuZn, Nickel-plated
Receptacle mounting torque	2.5…6.8 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Conductor data	
Total number of conductors	8

Features

- M12, Female, Receptacle, Front-mount, 8-pin
- Mounting thread: PG9

Contact assignment

Connector A

Circuit Diagram

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

Technische Daten

|	
Length (L)	1 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	24 AWG [Similar to 0.25 mm²]
Conductor colors	WH, BN, GN, YE, GY, PK, BU, RD
Electrical properties at +20 °C	
Rated voltage	60 V_{AC}/75 V_{DC}
Current	3 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
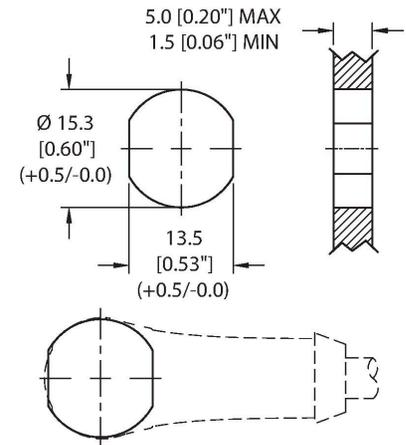
Mounting hole - Threaded
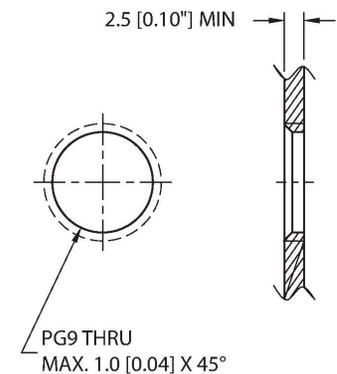
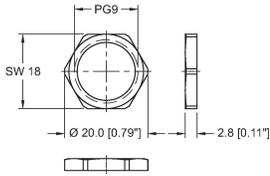## Front panel mounting
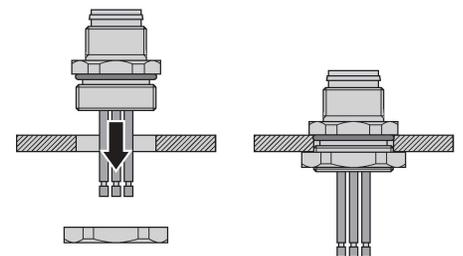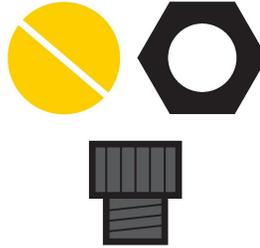
Montagezubehör

LOCKNUT-PG9-BRASS-(10/BAG) 100016624

Locknut, PG9, Brass, Nickel-plated, 10 per bag
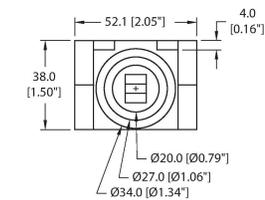
DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1) 100008955

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.

FK(S)FD-TOOL A2550

Tool, knockout hole punch, receptacle-mounting hole. Accommodates PG9 threads.

Montagezubehör

M12-GASKET-PG9,M16,1/4NPT-(10/BAG) 100015009
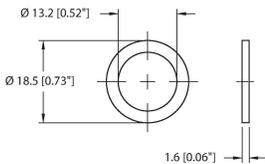
Gasket, Black NBR, Fits PG9, M16 and 1/4NPT mounting threads, 10 per bag