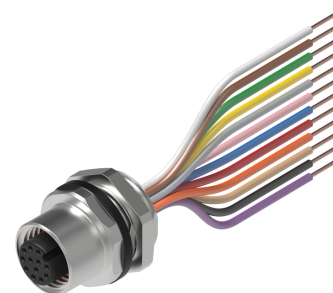
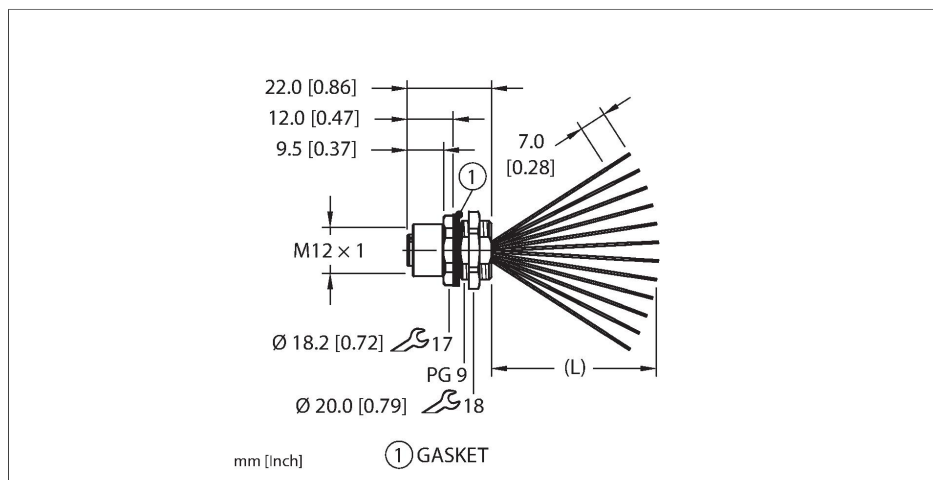


EFKBG-12.1200.4-0.5

Actuator and Sensor Receptacle – Front Mount



Technische Daten

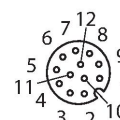
Type	EFKBG-12.1200.4-0.5
ID	100034245
Replaces	FK 12-x
Connector A	Female, M12 × 1, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	12
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector seal	O-ring, Plastic, FKM/FPM
Housing material/finish	Brass, CuZn, 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	12

Features

- UL US CE UK CA RoHS compliant IP67/IP68 IP69/IP69K DEGREE OF PROTECTION
- M12, Female, Receptacle, Front mount, 12-pin
- Mounting thread: PG9

Contact assignment

Connector A



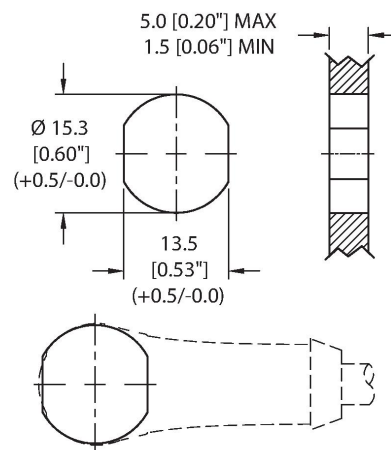
Circuit Diagram

1)	WH
2)	BN
3)	GN
4)	YE
5)	GY
6)	PK
7)	BU
8)	RD
9)	OG
10)	TN
11)	BK
12)	VT

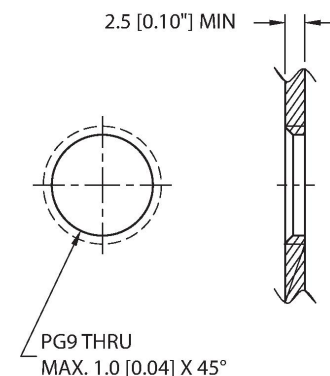
Technische Daten

Length (L)	0.5 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 mm ²]
Conductor colors	WH, BN, GN, YE, GY, PK, BU, RD, OG, TN, BK, VT
Electrical properties at +20 °C	
Rated voltage	30 V _{AC} /42 V _{DC}
Current	2 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.	

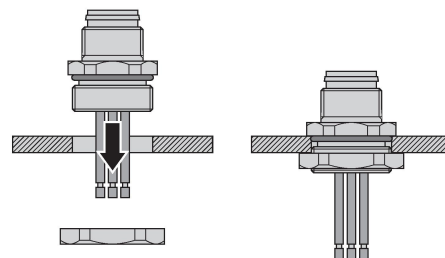
Mounting hole - Through



Mounting hole - Threaded

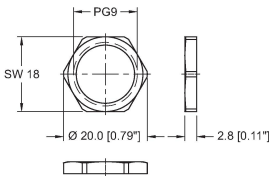


Front panel mounting



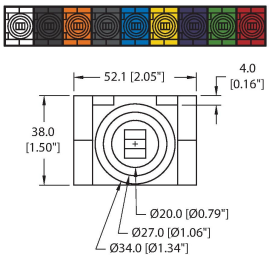
Montagezubehör

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



Locknut, PG9, Brass, Nickel-plated, 10 per bag

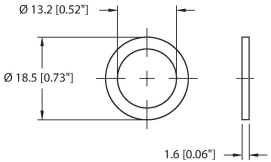
DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1) 100008955



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.

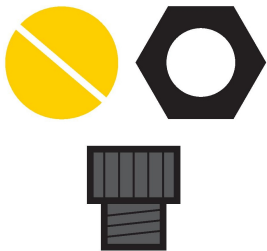
Montagezubehör

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



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

FK(S)FD-TOOL A2550



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