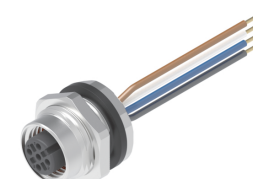
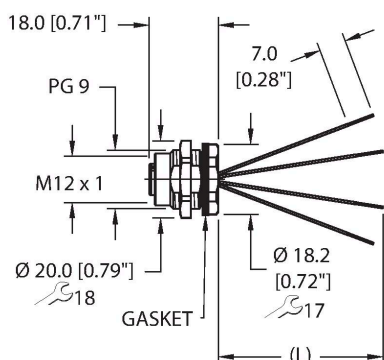


# ERKBG-A4.400.8-2

## Actuator and Sensor Receptacle – Rear Mount



### Technical data

Type	ERKBG-A4.400.8-2
ID no.	100012186
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	Rear 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
<b>Stranded wires</b>	
Total number of conductors	4
Cable length (L)	2 m (+50mm or 4% of length/-0.0, Whichever is greater)

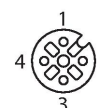
### Features



- M12, Female, Receptacle, Rear mount, 4-pin
- Mounting thread: PG9
- Conductor length: 2 m

### Contact assignment

Connector A



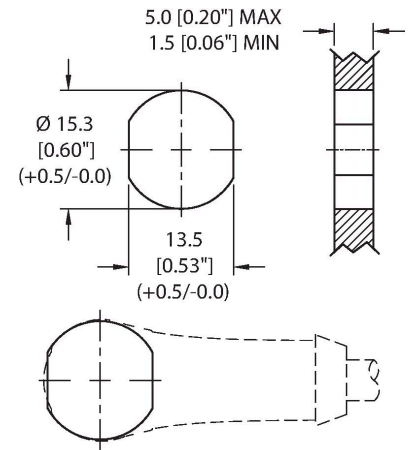
### Circuit Diagram



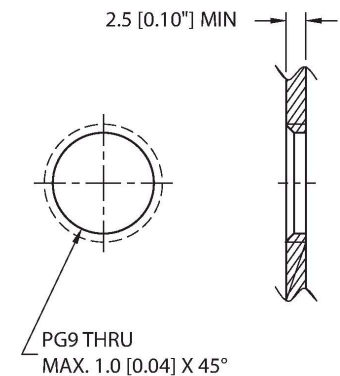
## Technical data

Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	18 AWG [Similar to 0.75 mm²]
Conductor colors	BN, WH, BU, BK
<b>Electrical properties at +20 °C</b>	
Rated voltage	250 V <sub>AC</sub> /300 V <sub>DC</sub>
Current	5 A
<b>Mechanical and chemical properties</b>	
Ambient temperature range (static)	-40 °C...+105 °C
<b>Approval</b>	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE RoHS
<b>Note</b>	
- We reserve the right to make technical alterations without prior notice.	

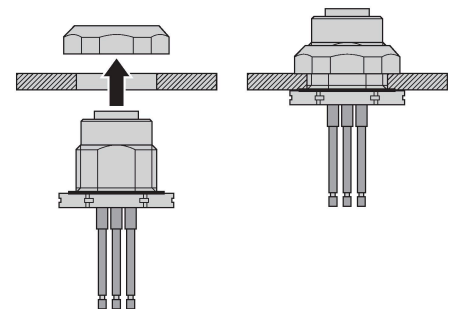
### Mounting hole - Through



### Mounting hole - Threaded



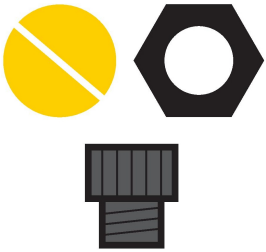
### Rear-mounted



Accessories

FK(S)FD-TOOL

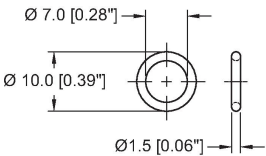
A2550



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

ORING-Ø7x1.5-M12-(10/BAG)

100024937

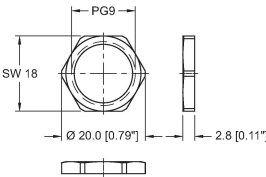


10 pack of Ø7x1.5 FKM O-rings for female M12 connectors

Accessories

LOCKNUT-PG9-BRASS-(10/BAG)

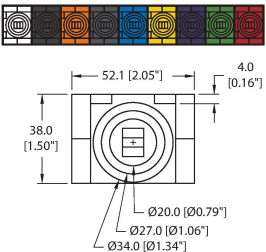
100016624



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

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

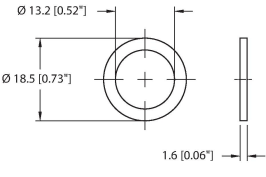
100008955



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.

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

100015009



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