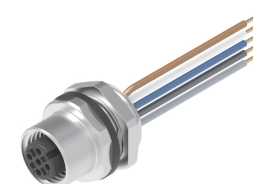
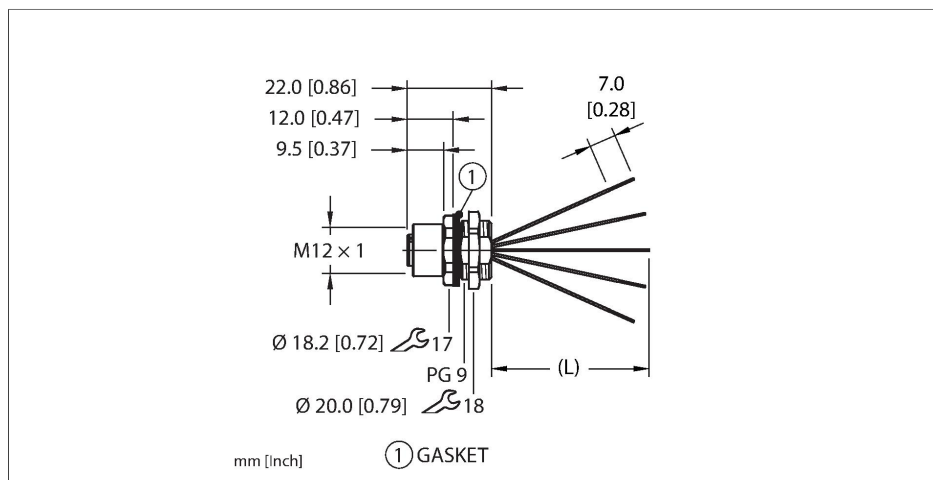


# EFKBG-A5.500.2-2

## Actuator and Sensor Receptacle – Front Mount



### Technische Daten

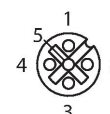
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | EFKBG-A5.500.2-2                                          |
| ID                              | 100012208                                                 |
| Replaces                        | FK 4.5-x                                                  |
| Connector A                     | Female, M12 × 1, A-code                                   |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 5                                                         |
| Contacts                        | Bronze, CuSn, 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<br>(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                                     |
| <b>Conductor data</b>           |                                                           |
| Total number of conductors      | 5                                                         |

### Features

- 
- M12, Female, Receptacle, Front mount, 5-pin
- Mounting thread: PG9

### Contact assignment

Connector A



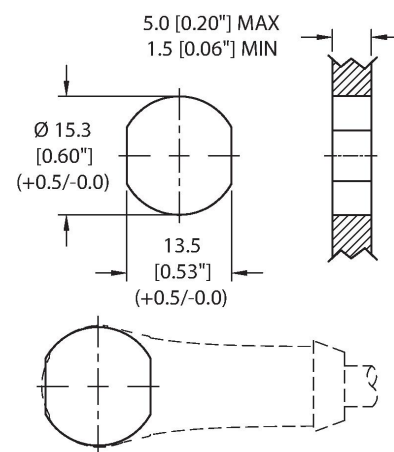
### Circuit Diagram

|   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |
| 5 | GY |

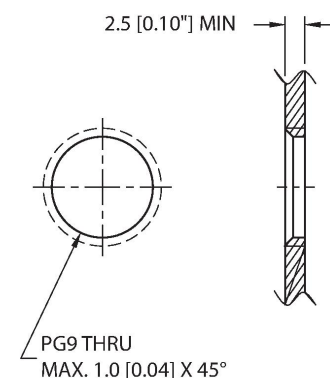
## Technische Daten

|                                                                            |                                                         |
|----------------------------------------------------------------------------|---------------------------------------------------------|
| Length (L)                                                                 | 2 m, (+50mm or 4% of length/-0.0, Whichever is greater) |
| Conductor material                                                         | TC (tinned copper)                                      |
| Conductor insulation material                                              | PVC                                                     |
| Conductor size                                                             | 22 AWG [Similar to 0.34 mm <sup>2</sup> ]               |
| Conductor colors                                                           | BN, WH, BU, BK, GY                                      |
| <b>Electrical properties at +20 °C</b>                                     |                                                         |
| Rated voltage                                                              | 250 V <sub>AC</sub> /300 V <sub>DC</sub>                |
| Current                                                                    | 4 A                                                     |
| <b>Mechanical and chemical properties</b>                                  |                                                         |
| Ambient temperature range (static)                                         | -40...+105 °C                                           |
| Approvals                                                                  | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS    |
| <b>Note</b>                                                                |                                                         |
| - We reserve the right to make technical alterations without prior notice. |                                                         |

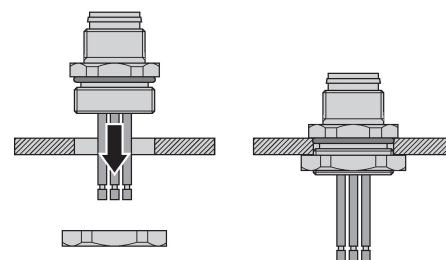
### Mounting hole - Through



### Mounting hole - Threaded

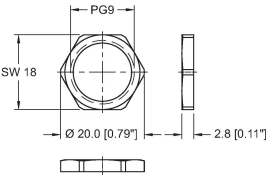


### Front panel mounting



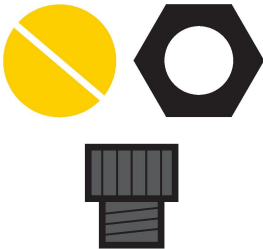
Montagezubehör

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



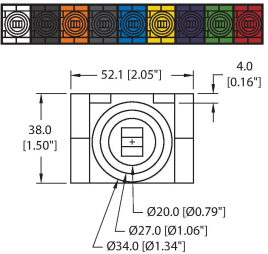
Locknut, PG9, Brass, Nickel-plated, 10 per bag

FK(S)FD-TOOL A2550



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

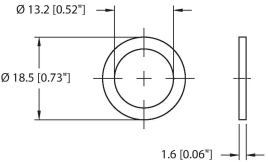
DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1) 100008955



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