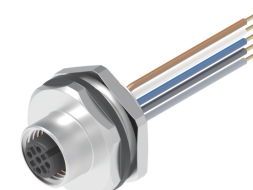
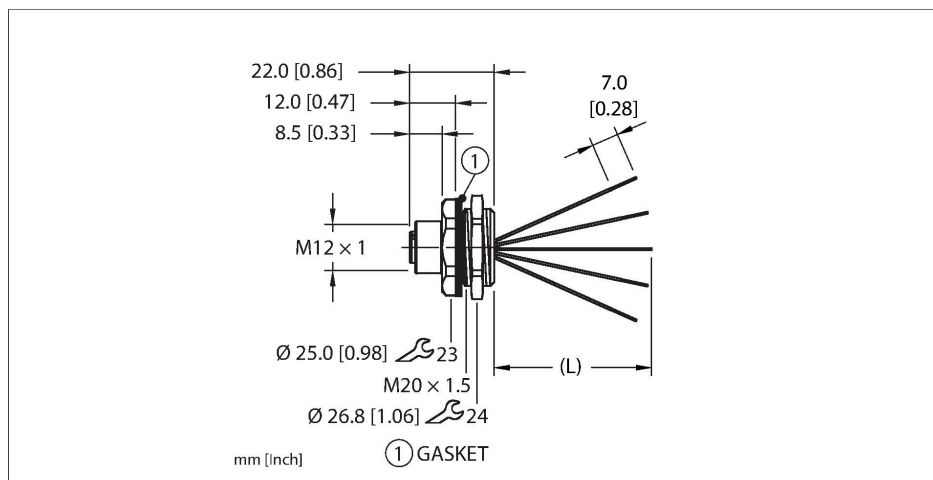


# EFKVT-A5.500.2-0.5

## Actuator and Sensor Receptacle – Front Mount



### Technische Daten

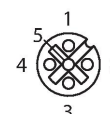
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | EFKVT-A5.500.2-0.5                                        |
| ID                              | 200009986                                                 |
| Replaces                        | FKV 4.5-x/M20                                             |
| Connector A                     | Female, M12 x 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         | Stainless Steel, 1.4401 (AISI 316), Passivated            |
| Tightening torque (range)       | 0.4 ... 1.8 Nm<br>(note max. torque of mating connector!) |
| Mounting orientation            | Front mount                                               |
| Panel seal                      | O-ring, NBR                                               |
| Mounting thread                 | M20 x 1.5                                                 |
| Locknut                         | Stainless Steel, 1.4401 (AISI 316), Passivated            |
| Receptacle mounting torque      | 3.5...9.6 Nm                                              |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K<br>NEMA: 1, 3, 4, 4X, 6P, 12      |
| Conductor data                  |                                                           |
| Total number of conductors      | 5                                                         |

### Features

- UL US CE UK CA RoHS compliant IP67/IP68 IP69/IP69K DEGREE OF PROTECTION
- M12, Female, Receptacle, Front mount, 5-pin
- Mounting thread: M20 x 1.5

### Contact assignment

Connector A



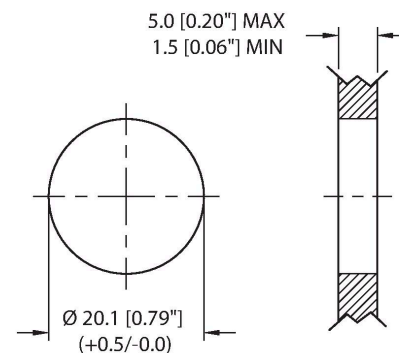
### Circuit Diagram

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

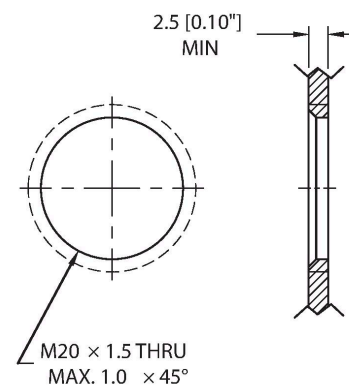
## Technische Daten

|                                                                            |                                                           |
|----------------------------------------------------------------------------|-----------------------------------------------------------|
| 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                                                             | 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. |                                                           |

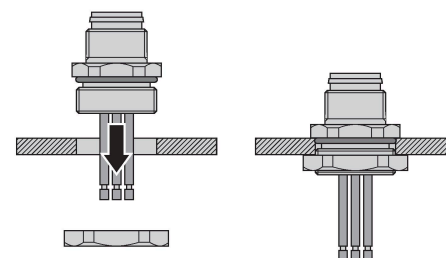
### Mounting hole - Through



### Mounting hole - Threaded

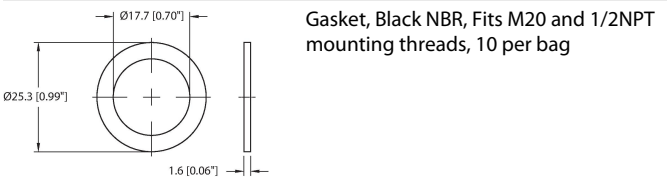


### Front panel mounting

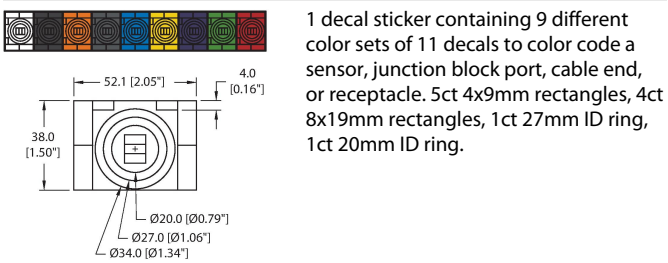


Montagezubehör

**M12-GASKET-M20,1/2NPT-(10/BAG) 100024930**



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



**LOCKNUT-M20-316SS-(10/BAG) A9194**

