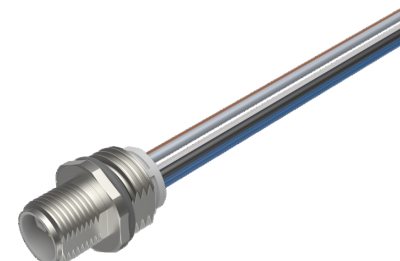
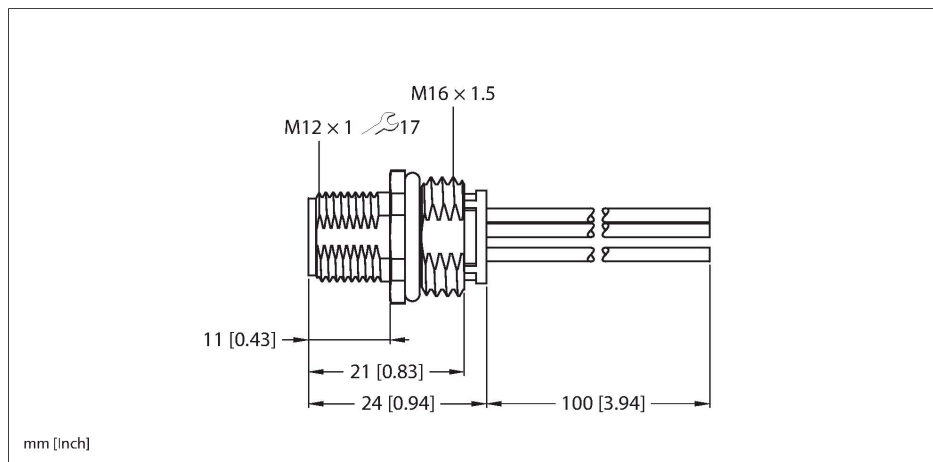


# FS54PL-1/M16

## M12 Power Flange – Front-mounted



### Technical data

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Type                            | FS54PL-1/M16                                               |
| ID                              | 100003947                                                  |
| Connector A                     | Male, M12 × 1, L-coded                                     |
| Design specification            | acc. to IEC 61076-2-111                                    |
| Number of pins                  | 4+FE                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                   |
| Contact carriers                | Plastic, PA, Black                                         |
| Flange housing                  | Brass, CuZn, Nickel-plated                                 |
| Tightening torque (range)       | 0.4 ... 1 Nm<br>(observe max. torque of mating connector!) |
| Mounting type                   | front panel mounting                                       |
| Screw-in thread seal            | Gasket, Rubber, NBR                                        |
| Screw-in thread                 | M16 × 1.5                                                  |
| Lock nut/screw                  | BrassCuZnNickel-plated                                     |
| Flange tightening torque        | 2.5...7.3 Nm                                               |
| Mechanical lifespan             | > 100 Mating cycles                                        |
| Pollution degree                | 3                                                          |
| Protection class                | IP67, IP68                                                 |
|                                 | NEMA: 1, 3, 4, 6P                                          |
| Number of cores                 | 5                                                          |
| Conductor material              | TC (tinned copper)                                         |
| Core insulation                 | PVC                                                        |
| Core cross-section              | 5 x 14 AWG [Similar to 2.50 mm²]                           |
| Core colors                     | BN, WH, BU, BK, GY                                         |
| Electrical properties at +20 °C |                                                            |
| Rated voltage                   | 63 V                                                       |
| Current                         | 16 A                                                       |

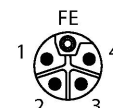
### Features



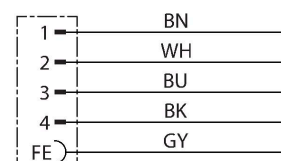
- M12 male connector, L-coded, 4-pin + FE
- M12-Stecker, L-codiert, 4-polig + FE

### Contact assignment

Connector A



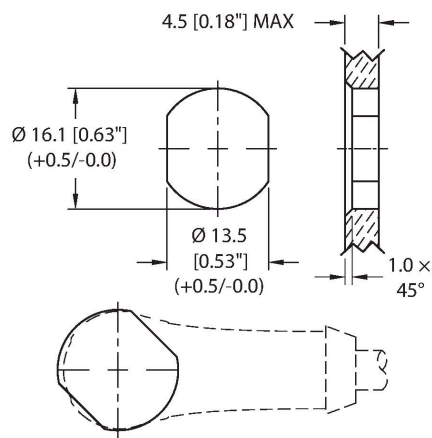
### Circuit Diagram



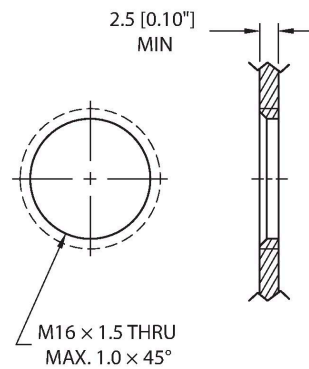
Technical data

| Mechanical and chemical properties                                              |                  |
|---------------------------------------------------------------------------------|------------------|
| Ambient temperature (fixed)                                                     | -40...+85 °C     |
| Approvals                                                                       | cULus recognized |
| Note                                                                            |                  |
| CAUTION: RISK OF ELECTRIC SHOCK!<br>DO NOT DISCONNECT UNDER LOAD!               |                  |
| - We reserve the right to make technical<br>modifications without prior notice. |                  |

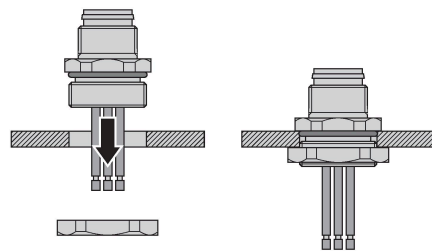
Through bore



Threaded bore



Front panel mounting



## Derating curve

