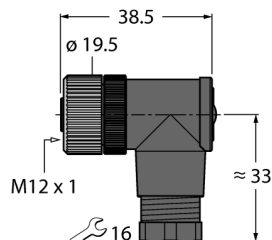
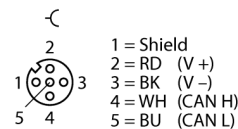


# Round connector M12 x 1 field-wireable female connector, angled B8251-0/9



- For use in DeviceNet™/ CANopen applications
- A-coding
- Screw-clamp terminal
- 5-pin
- PG9 screw-in thread
- Cable diameter 6.0 ... 8.0 mm
- UL approval

## Pin Assignment



|   |  |
|---|--|
| <b>Type designation</b>                   | B8251-0/9                                    |
| Ident no.                                 | 6904603                                      |
| <b>Connector A side</b>                   |  |
| Number of Pins                            | Field-wireable, female, M12 x 1, angled<br>5 |
| Contacts                                  | Brass, CuZn, Optalloy-coated                 |
| Contact carriers                          | Plastic, PA, Black                           |
| Grip                                      | Plastic, PA, black                           |
| Coupling nut/screw                        | Plastic, PA, black                           |
| Screw-in thread                           | PG 9   |
| External diameter of the cable            | min. 6... 8mm                                |
| Core cross-section/Clamping ability       | 0.14...0.75mm <sup>2</sup>                   |
| Connection mode                           | Screw terminal                               |
| Mechanical lifespan                       | > 50 mating cycles                           |
| Pollution degree                          | 3  |
| Protection class                          | IP67, (screwed together)                     |
| <b>Electrical features at +20 °C</b>      |  |
| Rated Voltage                             | 125 V  |
| Ampacity                                  | 4 A  |
| Insulation resistance                     | ≥ 10 <sup>9</sup> Ω                          |
| Forward resistance                        | ≤ 8 mΩ                                       |
| <b>Mechanical and chemical properties</b> |  |
| Ambient temperature                       |  |
| Stationary                                | -40...+85°C                                  |
| <b>Approvals</b>                          | UL   |