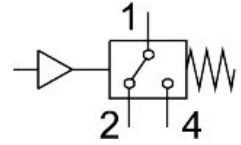


**PE converter**  
**PE-1/8-2N-SW**  
Part number: 7862

**FESTO**



## Data sheet

| Feature                                        | Value                                                       |
|------------------------------------------------|-------------------------------------------------------------|
| Conforms to standard                           | EN 60947-5-1                                                |
| CE marking (see declaration of conformity)     | As per EU low voltage directive                             |
| UKCA marking (see declaration of conformity)   | To UK instructions for electrical equipment                 |
| Measured variable                              | Relative pressure                                           |
| Method of measurement                          | Pneumatic/electric pressure transducer                      |
| Operating pressure                             | 0 MPa...0.8 MPa<br>0 bar...8 bar                            |
| Max. overload pressure                         | 12 bar                                                      |
| Operating medium                               | Compressed air as per ISO 8573-1:2010 [7:4:4]               |
| Information on operating and pilot media       | Lubricated operation possible                               |
| Temperature of medium                          | 0 °C...60 °C                                                |
| Ambient temperature                            | 0 °C...60 °C                                                |
| Switching output                               | Contact-based                                               |
| Switching function                             | Threshold value with fixed hysteresis                       |
| Switching element function                     | Changeover switch                                           |
| Max. switch-on point                           | 2 bar                                                       |
| Min. switch-off point                          | 0.5 bar                                                     |
| Max. switching frequency                       | 1 Hz                                                        |
| Minimum load current                           | 100 mA                                                      |
| Operating voltage range AC                     | 12 V...250 V                                                |
| DC operating voltage range                     | 12 V...250 V                                                |
| Utilization category for inductive load        | AC-14<br>DC-13                                              |
| Utilization category for ohmic load            | AC-12<br>DC-12                                              |
| Electrical connection                          | 3 connecting wires                                          |
| Electrical connection 1, connection technology | Open end                                                    |
| Cable length                                   | 0.5 m                                                       |
| Material of cable sheath                       | PVC                                                         |
| Type of mounting                               | Alternatively:<br>On mounting frame 2n<br>With through-hole |
| Mounting position                              | Any                                                         |

| Feature                        | Value                                                         |
|--------------------------------|---------------------------------------------------------------|
| Pneumatic connection           | G1/8                                                          |
| Product weight                 | 65 g                                                          |
| Housing material               | Die-cast aluminum<br>PA-reinforced<br>Steel<br>VMQ (silicone) |
| Switching contact material     | Silver                                                        |
| Electrical connection material | Tin-plated                                                    |
| Diaphragm material             | TPE-U(PU)                                                     |
| Setting options                | Preset                                                        |
| Degree of protection           | IP67                                                          |
| Insulation voltage             | 2 kV                                                          |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L                                             |
| Contamination level            | 3                                                             |