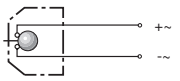
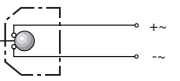
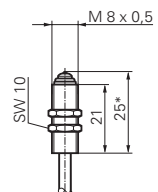
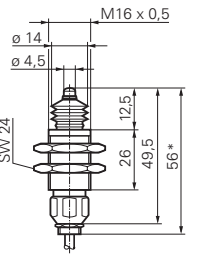
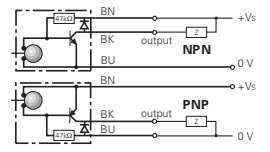
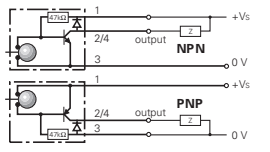
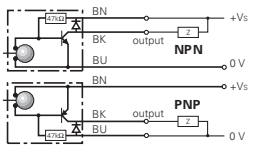
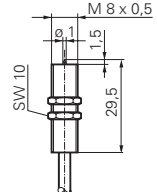
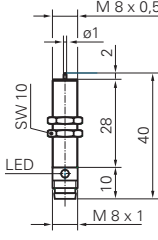
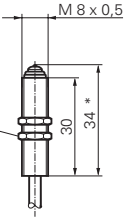


My-Com precision switches

| My-Com H                                                                          |                                                                                                                             | My-Com D                                                                                                                    |                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
|  |                                                                                                                             |                                            |                                   |
| <b>My-Com H75/80</b>                                                              |                                                                                                                             | <b>My-Com D250/80</b>                                                                                                       |                                   |
| activating force                                                                  | 30 gram force (cN)<br>50 gram force (cN)<br>75 gram force (cN)<br>250 gram force (cN)                                       |                                                                                                                             |                                   |
| electrical data                                                                   | max. AC voltage<br>max. switch. current AC<br>max. DC voltage<br>max. switch. current DC                                    | 24 VAC<br>50 mA<br>15 VDC<br>2 mA                                                                                           | 24 VAC<br>50 mA<br>15 VDC<br>2 mA |
| activating force                                                                  | NPN 75 gram force (cN)<br>PNP 75 gram force (cN)                                                                            |                                                                                                                             |                                   |
| electrical data                                                                   | max. supply voltage<br>max. load current at 24 VDC<br>min. load resistance<br>output                                        |                                                                                                                             |                                   |
| actuator tip housing                                                              | ruby<br>brass nickel plated                                                                                                 | hardened steel<br>browned brass                                                                                             |                                   |
| special features                                                                  | protection class IP 67                                                                                                      | protection class IP 67                                                                                                      |                                   |
| connection diagram/output function                                                | <br>normally closed (NC) / break function | <br>normally closed (NC) / break function |                                   |
| options                                                                           | for connector base version, remove .../80 and add .../S35<br>* length with connector base S35 approximately 44 mm           | for connector base version, remove .../80 and add .../S35<br>* length with connector base S35 approximately 74 mm           |                                   |
|                                                                                   |                                                                                                                             |                                                                                                                             |                                   |
|                                                                                   | overrun 0,6 mm approx.                                                                                                      | pre-run / overrun 1 mm approx.                                                                                              |                                   |
|                                                                                   |                                          |                                          |                                   |

My-Com precision switches

| My-Com G                                                                              |  | My-Com G                                                                              |  | My-Com L                                                                                            |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|
|    |  |    |  |                  |  |
| <b>My-Com G75N80/L</b><br><b>My-Com G75P80/L</b>                                      |  | <b>My-Com G75N/S35L</b><br><b>My-Com G75P/S35L</b>                                    |  | <b>My-Com L75N80/L</b><br><b>My-Com L75P80/L</b>                                                    |  |
| 5 - 36 VDC<br>50 mA<br>480 Ω<br>normally open (NO)                                    |  | 5 - 36 VDC<br>50 mA<br>480 Ω<br>normally open (NO)                                    |  | 5 - 36 VDC<br>50 mA<br>480 Ω<br>normally open (NO)                                                  |  |
| zirconium oxide ZrO <sub>2</sub><br>brass nickel plated                               |  | zirconium oxide ZrO <sub>2</sub><br>brass nickel plated                               |  | ruby<br>brass nickel plated                                                                         |  |
| transistor output NPN / PNP<br>protection class IP 50                                 |  | transistor output NPN / PNP<br>protection class IP 50                                 |  | transistor output NPN / PNP<br>protection class IP 67                                               |  |
|   |  |   |  |                 |  |
|                                                                                       |  |                                                                                       |  | for connector base version, remove .../80 and add .../S35L<br>* length with connector approx. 44 mm |  |
|                                                                                       |  |                                                                                       |  |                                                                                                     |  |
| overrun 1,5 mm approx.                                                                |  | overrun 1,5 mm approx.                                                                |  | overrun 0,6 mm approx.                                                                              |  |
|  |  |  |  |                |  |

# Technical specifications

## Technical characteristics

| Mechanical data                  |                                       |
|----------------------------------|---------------------------------------|
| Repeatability                    | ± 0,001 mm (1 micron)                 |
| Reset (Hysteresis)               | ≤ 0,002 mm                            |
| Mechanical lifetime              | 10'000'000 switchings                 |
| Switching frequency              | 0 - 10 Hz                             |
| Max. activating velocity         | < 30 mm/s                             |
| Temperature range                | -20 °C to + 75 °C (-5 °F to + 165 °F) |
| Standard cable length            | 80 cm                                 |
| Standard conductor cross section | 0,14 mm <sup>2</sup>                  |
| Standard cable material          | PVC                                   |
| Protection class (standard)      | IP 50                                 |

**Transistor output**  
The My-Com types L, G and M are available with a transistorized output. When supplied with this configuration the output circuit is supplied normally open (NO). A protective diode is incorporated into the circuit to protect against transients.

**LED indicator**  
The My-Com types with transistor output are available with LED output indicators.

**Increased environmental protection (IP 67)**  
For applications in harsh environments (dust, oil, cooling fluid) we recommend the waterproof My-Com D, H or M. The My-Com type L, with transistor output, is also available with the same protection (IP 67). The sealing membrane for all of these is made of Viton.

**Maximum installation torque**  
If the published installation torque specifications prove to be insufficient for your application, we recommend using a nut locking liquid to secure the My-Com. The published specifications for maximum torque must not be exceeded!

| Wire color code | Max. torque figures |        |
|-----------------|---------------------|--------|
| BN = Brown      | My-Com D            | 20 Nm  |
| BK = Black      | My-Com E            | 5,5 Nm |
| BU = Blue       | All others          | 3,5 Nm |

## Part number key

| Example                                       | My-Com F 50 / 80 | My-Com L 75 N 80 / L |
|-----------------------------------------------|------------------|----------------------|
| Type _____                                    | _____            | _____                |
| Activating force in gram force (cN) _____     | _____            | _____                |
| Transistor output _____<br>N = NPN or P = PNP | _____            | _____                |
| Cable length in cm _____                      | _____            | _____                |
| LED _____                                     | _____            | _____                |