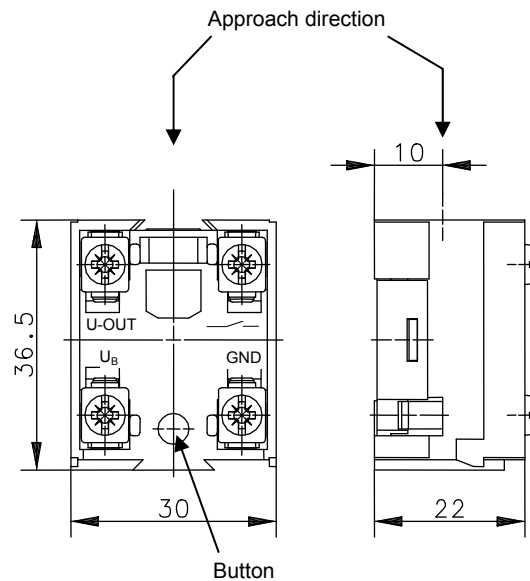
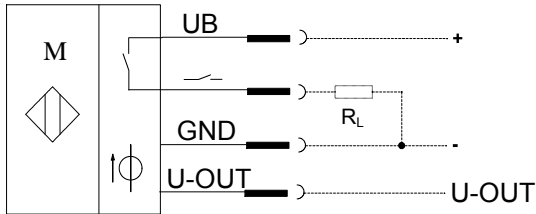


### Series C74

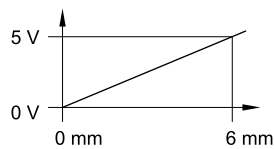
Description **C74-ANALOG 0-5V**

Article number **6613299076**

#### Wiring diagram



#### Characteristic



#### Identifying characteristics in accordance with EN 60947-5-2

##### Electrical data

|   |       |   |
|---|-------|---|
| Rated operating voltage range                 | $U_B$ | 12 - 26 V DC  |
| Voltage output                                |       | 0 - 5 V   |
| Linearity errors                              |       | $\leq \pm 2,5 \%$ from the end value (5 V), $U_B$ and temperature at a constant level |
| Temperature errors                            |       | $\leq \pm 10 \%$ $U_B$ constant level   |
| Repetition accuracy                           | R     | $\leq 2 \%$ from the end value (5 V), $U_B$ and temperature at a constant level       |
| Switching output                              | S     | PNP NO; (teachable)   |
| Hysteresis                                    | H     | $\approx 10 \%$   |
| Idle current                                  | $I_o$ | < 25 mA   |
| Voltage drop                                  | $U_d$ | $\leq 1,6$ V  |
| Utilization category                          |       | DC 12   |
| Rated operational currents                    | $I_e$ | 200 mA  |
| Minimum operating current (Switching element) | $I_m$ | 1 mA  |
| Residual current                              | $I_r$ | < 0,1 mA  |
| Switching element                             |       | permanently short-circuit and overload protected                                      |
| Analogue output                               |       | permanently short-circuit and overload protected                                      |
| Short-circuit protection type                 |       | synchronising   |
| Switching frequency                           |       | max. 100/min.   |
| Reverse polarity                              |       | yes   |
| Readiness delay                               | $t_v$ | < 50 ms   |

##### Electromagnetic compatibility (EMC) <sup>1)</sup>

|   |                  |                               |
|---|------------------|-------------------------------|
| Immunity to Electrostatic Discharge                                   | IEC 61000-4-2    | (only in installed condition) |
| Interference resistance against high-frequency electromagnetic fields | IEC 61000-4-3    |                               |
| Immunity to fast transient interference variables (bursts)            | IEC 61000-4-4    |                               |
| Immunity to conducted interference induced by radio frequency fields  | IEC 61000-4-6    |                               |
| Immunity against magnetic fields with power frequency                 | IEC 61000-4-8    |                               |
| Conducted disturbances/Interference voltage/Interference currents     | EN 55011 class B |                               |
| Radiated disturbances/electric field strength                         | EN 55011 class B |                               |

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### Mechanical Data

|                          |   |
|--------------------------|---|
| Actuating travel         | 6 mm  |
| Actuating force          | 2,3 N   |
| Enclosure                | Thermoplastic, glass fibre-reinforced   |
| Actuation                | Plunger internally, Ø8  |
| Ambient temperature      | -30 °C ... +80 °C   |
| Mechanical life          | 10 x 10 <sup>6</sup> switching operations                                       |
| Type of connection       | 4 Screw connections (M3,5)  |
| Conductor cross sections | single-wire 0.5 – 1.5 mm <sup>2</sup> or<br>stranded wire with wire end ferrule |
| Installation position    | any   |
| Protection class         | IP00 acc. to EN 60529   |

### Accessories

1 x mounting adapter  
1 x impact pin  
installation material

### Actuation

The actuation is only started from approach direction.

### EU Conformity<sup>1)</sup>

acc. to directive 2004/108/EC

### General Information

Due to the open structure of the analogue block, there is no special protection against infiltration of water and against contact with voltage-carrying parts!

The reliable switching function is only given in BERNSTEIN switching devices!

<sup>1)</sup>To be conform with the EMV guideline (2004/108/EC) a shielded connection cable has to be used.