

Illuminated pushbutton, Series 82, Ø 25 mm, flush, Silver,  
IP65, IP67, Plug-in terminal, 2.8 x 0.5 mm

82-6551.1113



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Your product:

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#### PRODUCT RANGE

|                      |                        |
|----------------------|------------------------|
| <b>HMI function:</b> | Illuminated pushbutton |
| <b>Series:</b>       | Series 82              |

#### FRONT

|                              |           |
|------------------------------|-----------|
| <b>Front dimension:</b>      | Ø 25 mm   |
| <b>Front bezel colour:</b>   | Silver    |
| <b>Front bezel material:</b> | Aluminium |

#### MOUNTING

|                          |         |
|--------------------------|---------|
| <b>Design:</b>           | flush   |
| <b>Mounting cut-out:</b> | Ø 22 mm |

#### OPERATING-/INDICATION PART

|                               |              |
|-------------------------------|--------------|
| <b>Shape of illumination:</b> | Ring         |
| <b>Lens illumination:</b>     | illuminative |
| <b>Lens colour:</b>           | Nature       |
| <b>Lens shape:</b>            | flush        |
| <b>Lens material:</b>         | Aluminium    |
| <b>Lens optics:</b>           | opaque       |
| <b>Illumination colour:</b>   | Red          |

#### ELECTRICAL CHARACTERISTICS

|                                                 |                                                                                                                                                                                                                                                 |         |                 |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|
| <b>Electrical lifetime:</b>                     | 50 000 cycles of operation                                                                                                                                                                                                                      |         |                 |
| <b>Switching voltage and switching current:</b> | according to IEC 60947-5-1 (Silver contacts)<br>Service categorie AC-15<br>Voltage<br>24 VAC<br>35 VAC<br>110 VAC<br>220 VAC<br>Switch rating DC service categorie DC-13 (Silver contacts)<br>Voltage<br>24 VDC<br>35 VDC<br>110 VDC<br>220 VDC |         |                 |
|                                                 |                                                                                                                                                                                                                                                 | Current | 1 A             |
|                                                 |                                                                                                                                                                                                                                                 |         | 1 A (M12 versio |
|                                                 |                                                                                                                                                                                                                                                 |         | 1 A             |
|                                                 |                                                                                                                                                                                                                                                 |         | 0.5 A           |
|                                                 |                                                                                                                                                                                                                                                 | Current | 0.7 A           |
|                                                 |                                                                                                                                                                                                                                                 |         | 0.5 A (M12 vers |
|                                                 |                                                                                                                                                                                                                                                 |         | 0.2 A           |
|                                                 |                                                                                                                                                                                                                                                 |         | 0.1 A           |
|                                                 | according to UL 508 (Silver contacts)<br>cosφ 0,75 ... 0,8<br>Voltage<br>120 VAC<br>240 VAC<br>24 VAC                                                                                                                                           |         |                 |
|                                                 |                                                                                                                                                                                                                                                 | Current | 5 A             |
|                                                 |                                                                                                                                                                                                                                                 |         | 3 A             |
|                                                 |                                                                                                                                                                                                                                                 |         | 1 A             |
| <b>Lumi. Intensity:</b>                         | mcd                                                                                                                                                                                                                                             |         |                 |
| <b>Operating voltage:</b>                       | 12 V AC/DC ±10 %                                                                                                                                                                                                                                |         |                 |
| <b>Operation current:</b>                       | 7 mA                                                                                                                                                                                                                                            |         |                 |

## MECHANICAL CHARATERISTIC

|                           |                                |
|---------------------------|--------------------------------|
| <b>Tightening torque:</b> | 0.5 ... 0.6 Nm                 |
| <b>Terminal:</b>          | Plug-in terminal, 2.8 x 0.5 mm |
| <b>Contact material:</b>  | Silver                         |
| <b>Switching action:</b>  | Momentary                      |
| <b>Switching system:</b>  | Snap-action switching element  |
| <b>Total weight:</b>      | 0.026 kg                       |

## AMBIENT CONDITION

|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| <b>IP front protection:</b>   | IP65, IP67                                                     |
| <b>Vibration resistance:</b>  | 10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6 |
| <b>Operating temperature:</b> | – 30 °C ... + 70 °C                                            |

## OTHER

|                                           |        |
|-------------------------------------------|--------|
| <b>max. number of switching elements:</b> | 1      |
| <b>Housing colour:</b>                    | Nature |

|                          |              |
|--------------------------|--------------|
| <b>Housing material:</b> | Aluminium    |
| <b>Housing size:</b>     | 19 mm        |
| <b>Symbol:</b>           | no symbol    |
| <b>Article number:</b>   | 82-6551.1113 |