Your Expert Partner for **Human Machine Interfaces**

# Indicator 16 mm

Distribution by Newark

82-4551.0133



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Your product:



# 82-4551.0133
# Indicator 16 mm

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## FRONT

| | |
|---|---|
| **Front dimension:** | Ø 18 mm |
| **Front form:** | Round |
| **Front bezel material:** | Aluminium |
| **Front bezel shape:** | Flush |

## MOUNTING

| | |
|---|---|
| **Mounting cut-out:** | Ø 16 mm |
| **Mounting type:** | Panel mounting |

## OPERATING-/INDICATION PART

| | |
|---|---|
| **Lens colour:** | Nature |
| **Lens material:** | Aluminium |
| **Lens illumination:** | Illuminated |
| **Lens shape:** | Flush |
| **Lens optics:** | opaque |
| **Illumination colour:** | Green |
| **Shape of illumination:** | Ring |

## ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

according to UL 508 (Silver contacts)
cosφ 0,75 … 0,8

| Voltage | Current |
|---|---|
| 120 VAC | 5 A |
| 240 VAC | 3 A |
| 24 VAC | 1 A |

according to IEC 60947-5-1 (Silver contacts)
Service categorie AC-15

| Voltage | Current |
|---|---|
| 24 VAC | 1 A |
| 35 VAC | 1 A (M12 version) |
| 110 VAC | 1 A |
| 220 VAC | 0.5 A |

Switch rating DC service categorie DC-13 (Silver contacts)

| Voltage | Current |
|---|---|
| 24 VDC | 0.7 A |
| 35 VDC | 0.5 A (M12 version) |
| 110 VDC | 0.2 A |
| 220 VDC | 0.1 A |

**Operating voltage:** 12 V AC/DC

**Operation current:** 7 mA

**Rated Operational Voltage Ue:** 250 VAC

**Rated insulation voltage Ui:** 250 V

**Short circuit protective device:** fuse / 500 V / 5 A / gG

**Rated short-circuit current caused:** AC: 1 kA
DC: 1 kA

**Electrical lifetime:** 50 000 cycles of operation

**Electric strength:** 1500 VAC, 50 Hz 1 minute between life terminals and ground

**Pollution degree:** 2, according to EN IEC 60947-1

**Thermal current Ith:** 5 A

## MECHANICAL CHARACTERISTICS

**Terminal:** Soldering terminal, 2.8 x 0.5 mm

**Tightening torque:** 0.5 … 0.6 Nm

**Weight:** 0.018 kg

## AMBIENT CONDITION

**IP front protection:** IP65, IP67

**Operating temperature:** – 30 °C … + 70 °C

**Storage temperature:** – 40 °C … + 80 °C

**Shock resistance:** Max. 500 m / $s^2$ as per IEC 60068-2-27

**Vibration resistance:** 10 … 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

**Climate resistance:** Damp heat, 21 days according to IEC 60512-11

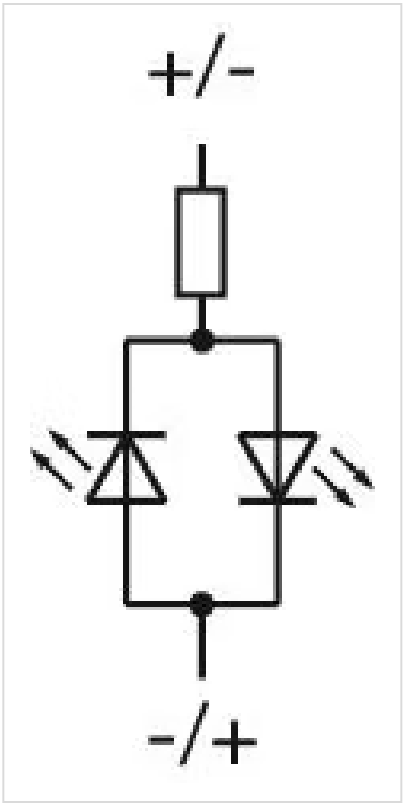
## CERTIFICATE

| | |
|---|---|
| **Approbations:** | CB, CCC, C UL, UL |
| **Conformities:** | CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| **REACH:** | REACH compliant |
| **RoHS:** | RoHS compliant |

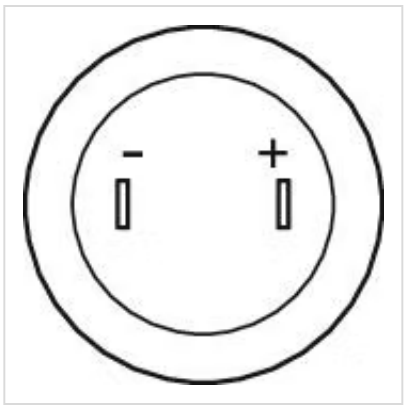
## OTHER

| | |
|---|---|
| **Short Description:** | Indicator 16 mm, 12 V AC/DC, Soldering terminal, 2.8 x 0.5 mm, Round, Aluminium, Green, Nature |
| **Kind of illlumination:** | Single-LED |
| **Housing size:** | 16 mm |

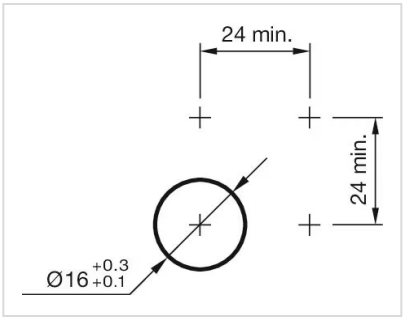
**Wiring diagrams:**



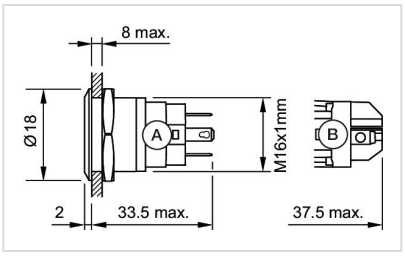

**Component layouts:**




**Mounting cut-outs:**




**Dimension drawings:**




A = Solder terminal
B = Screw terminal