

# Indicator 16 mm

82-4551.0123

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## 82-4551.0123 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:** Blue

**Shape of illumination:** Ring

### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:** according to UL 508 (Silver contacts)  
cos $\phi$  0,75 ... 0,8  
Voltage  
120 VAC  
240 VAC  
24 VAC  
Current  
5 A  
3 A  
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

<b>Operating voltage:</b>	12 V AC/DC
<b>Operation current:</b>	7 mA
<b>Rated Operational Voltage Ue:</b>	250 VAC
<b>Rated insulation voltage Ui:</b>	250 V
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Electric strength:</b>	1500 VAC, 50 Hz 1 minute between life terminals and ground
<b>Pollution degree:</b>	2, according to EN IEC 60947-1
<b>Thermal current Ith:</b>	5 A

## MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Soldering terminal, 2.8 x 0.5 mm
<b>Tightening torque:</b>	0.5 ... 0.6 Nm
<b>Weight:</b>	0.018 kg

## AMBIENT CONDITION

<b>IP front protection:</b>	IP65, IP67
<b>Operating temperature:</b>	- 30 °C ... + 70 °C
<b>Storage temperature:</b>	- 40 °C ... + 80 °C
<b>Shock resistance:</b>	Max. 500 m / s <sup>2</sup> as per IEC 60068-2-27
<b>Vibration resistance:</b>	10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6
<b>Climate resistance:</b>	Damp heat, 21 days according to IEC 60512-11

## CERTIFICATE

<b>Approbations:</b>	CB, CCC, C UL, UL
<b>Conformities:</b>	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, Blue, Nature

**Kind of illumination:** Single-LED

**Housing size:** 16 mm

**Wiring diagrams:**



**Component layouts:**



**Mounting cut-outs:**



**Dimension drawings:**



A = Solder terminal  
 B = Screw terminal