

<b>Ripple</b>	≤ 10 % <sup>1)</sup>
<b>Voltage drop</b>	≤ 2.5 V DC <sup>2)</sup>
<b>Current consumption</b>	≤ 12 mA <sup>3)</sup>
<b>Time delay before availability</b>	≤ 200 ms
<b>Hysteresis</b>	3 % ... 20 %
<b>Reproducibility</b>	≤ 5 % <sup>4) 5)</sup>
<b>Temperature drift (of S<sub>r</sub>)</b>	± 10 %
<b>EMC</b>	According to EN 60947-5-2
<b>Continuous current I<sub>a</sub></b>	≤ 200 mA
<b>Short-circuit protection</b>	✓
<b>Reverse polarity protection</b>	✓
<b>Power-up pulse protection</b>	✓
<b>Shock and vibration resistance</b>	According to EN 60068
<b>Ambient operating temperature</b>	-30 °C ... +85 °C <sup>6)</sup>
<b>Ambient storage temperature</b>	-40 °C ... +85 °C
<b>Housing material</b>	Plastic, PBT
<b>Housing length</b>	85 mm
<b>Thread length</b>	55 mm
<b>Tightening torque, max.</b>	≤ 2.6 Nm
<b>Items supplied</b>	Mounting nuts (plastic)
<b>UL File No.</b>	NRKH.E191603

<sup>1)</sup> Of U<sub>b</sub>.

<sup>2)</sup> At I<sub>a</sub> max.

<sup>3)</sup> Without load.

<sup>4)</sup> Of S<sub>r</sub>.

<sup>5)</sup> U<sub>b</sub> and T<sub>a</sub> constant.

<sup>6)</sup> +120 °C short time, at the front of the sensor.

### Reduction factors

<b>Note</b>	The values are reference values which may vary
<b>Metal</b>	1
<b>Water</b>	1
<b>PVC</b>	Approx. 0.4
<b>Oil</b>	Approx. 0.25
<b>Glass</b>	0.6
<b>Ceramics</b>	0.5
<b>Alcohol</b>	0.7
<b>Wood</b>	0.2 ... 0.7

### Installation note

<b>Remark</b>	Associated graphic see "Installation"
<b>B</b>	18 mm
<b>C</b>	18 mm

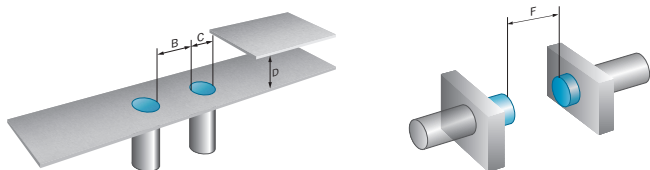
<b>D</b>	24 mm
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Classifications

<b>ECl@ss 5.0</b>	27270102
<b>ECl@ss 5.1.4</b>	27270102
<b>ECl@ss 6.0</b>	27270102
<b>ECl@ss 6.2</b>	27270102
<b>ECl@ss 7.0</b>	27270102
<b>ECl@ss 8.0</b>	27270102
<b>ECl@ss 8.1</b>	27270102
<b>ECl@ss 9.0</b>	27270102
<b>ETIM 5.0</b>	EC002715
<b>ETIM 6.0</b>	EC002715
<b>UNSPSC 16.0901</b>	39122230

Installation note

Flush installation



Connection diagram

Cd-006

