



Contrast sensors
NT6, NT6

NT6-03062



Model Name > [NT6-03062](#)
Part No. > [1007168](#)

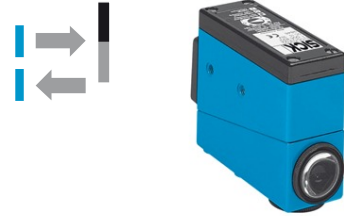


Illustration may differ

- LED light source with two switchselectable spectral ranges
- Lens position selectable
- Light- or dark-switching selectable
- Rapid response times



Features

Dimensions (L x W x H):	64 mm x 80 mm x 30.4 mm
Sensing distance:	50 mm
Sensing distance tolerance:	± 2 mm
Light source ¹⁾ :	LED red, green
Light emission:	Long and short side of housing, exchangeable
Light spot size:	1.5 mm x 5 mm (green) 1.5 mm x 4 mm (red)
Light spot direction ²⁾ :	Vertical
Adjustment:	Manual adjustment, potentiometer

¹⁾ Average service life of 10,000 h at T_A = + 25 °C ²⁾ In relation to long side of housing

Mechanics/electronics

Supply voltage Vs:	DC 10 V ... 30 V
Residual ripple:	≤ 5 Vpp
Power consumption ¹⁾ :	< 80 mA
Switching frequency ²⁾ :	10 kHz
Response time ³⁾ :	> 50 µs
Switching output:	B: HIGH = U _v - < 2 V / LOW = < 2 V
Analog output QA:	0.15 mA ... 6 mA
Connection type:	2 m cable , 4 x 0.34 mm, shielded, PVC, diameter 6 mm ⁴⁾
Circuit protection:	Output Q short-circuit protected, Interference suppression, VS connections reverse-polarity protected
Enclosure rating:	IP 67
Weight:	x approx. 540 g (with cable)
Housing material:	Die-cast zinc
Output current I _{max} .:	200 mA

¹⁾ Without load ²⁾ With light/dark ratio 1:1 ³⁾ Signal transit time with resistive load ⁴⁾ Do not bend below 0 °C

Ambient data

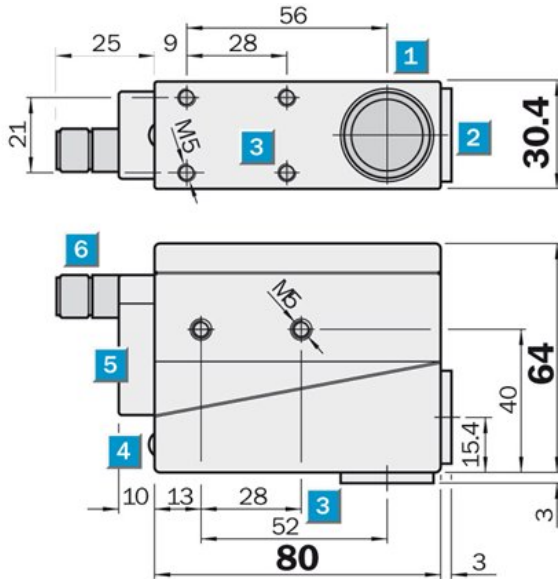
Ambient temperature:

Operation: 0 ... 50 °C
Storage: -25 ... 75 °C

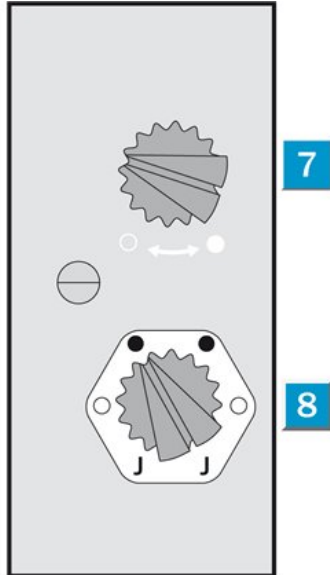
Shock load:

according to IEC 60068

Dimensional drawing

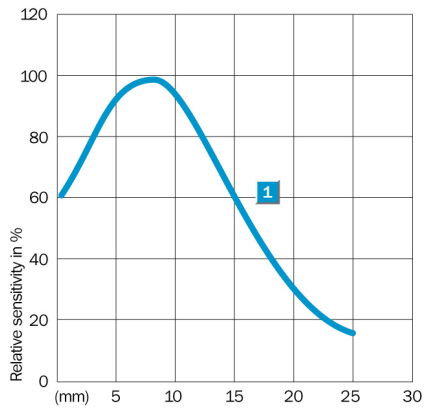


Adjustments



[7]
[8]

Operating reserve



Australia

Phone +61 3 9497 4100
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +852-2763 6966
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-999-0590
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7 495 775 05 30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82-2 786 6321/4
E-Mail info@sickkorea.net

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 216 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com