

NT6-03012







 Model Name
 > NT6-03012

 Part No.
 > 1005821

At a glance

- RGB, white LEDs and red lasers
- Bar graph display visually indicates contrast performance (KT5, KT10)
- High switching frequency
- Various teach-in and manual potentiometer versions to meet individual requirements
- · Automatic gloss adjustment for highly reflective materials
- · A range of sensing distances and light spots for numerous applications
- · Tough, compact metal housing

Your benefits

- Able to process all packaging materials (yellow mark/white background), resulting in high machine throughput
- · Reliable operation, even with jittering webs and high-gloss materials
- · High positioning accuracy improves packaging quality
- · Simple teach-in and highly visible light spot ensure easy setup
- · Simple to integrate into machines due to compact design
- · Interchangeable lenses for maximum mounting flexibility
- A range of sensing distances, light spot directions and a 90° rotatable plug enables optimal integration
- · Application-specific teach-in processes provide maximum flexibility

The product has been discontinued. Please contact your SICK sales representative for more information about a replacement product.



Features

Dimensions (L x W x H): Sensing distance: Sensing distance tolerance: Light source ${}^{(1)}$: Light emission: Light spot size: Light spot direction ${}^{(2)}$: Adjustment: 64 mm x 80 mm x 30.4 mm 9 mm ± 2 mm LED red, green Long and short side of housing, exchangeable 1.5 mm x 4 mm (red), 1.5 mm x 5 mm (green) Vertical Manual adjustment, potentiometer

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





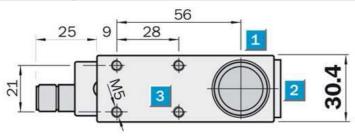
Illustration may differ

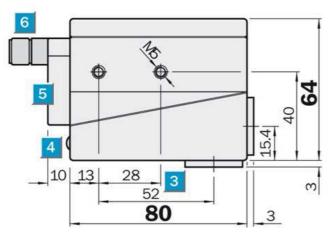
Supply voltage Vs:	DC 10 V 30 V
Ripple:	≤ 5 Vpp
Current consumption ¹⁾ :	< 80 mA
Switching frequency ² :	10 kHz
Response time ³⁾ :	> 50 µs
Output type:	B: HIGH = Uv - < 2 V/LOW = < 2 V
Analog output QA:	0.15 V 6 V
Connection type:	2 m cable 4×0.34 mm, shielded, PVC, diameter 6 mm, with plug T3104/1
Circuit protection:	Output Q short-circuit protected, Interference suppression, VS connections reverse-polarity protected
Enclosure rating:	IP 67
Weight:	Approx. 540 g (with cable)
Housing material:	Die-cast zinc
Output current Imax.:	200 mA
1) Without load ²⁾ With light/dark ratio 1:1 ³⁾ Signal tra	ansit time with resistive load $^{ m (4)}$ Do not bend below 0 °C

Ambient data

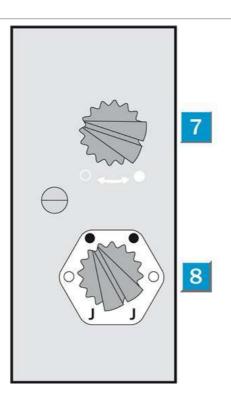
Ambient temperature: Shock load: Operation: 0 ... +50 °C, Storage: -25 ... +75 °C According to IEC 60068

Dimensional drawing



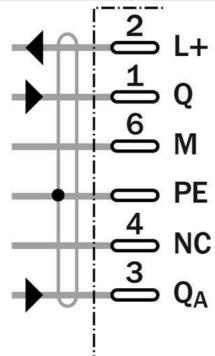


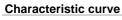
Adjustments

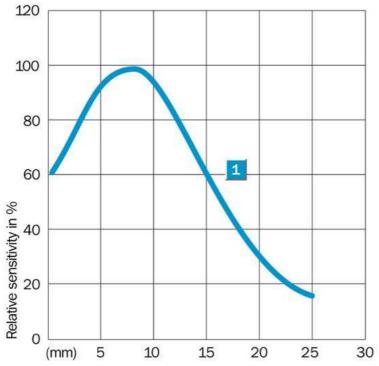


Connection type









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