

Czujniki luminescencji LUT3

LUT3-853



Nazwa modelu > **LUT3-853**

Numer części > **1012872**

- Scanning distance selectable by using interchangeable lenses (10 ... 90 mm)
- Fibre-optic cable connection
- Analogue output
- Additional optical filter
- The relatively sensitivity has to be checked (akin)



!Features!

Wymiary (dł. x szer. x wys.):	80 mm x 30,4 mm x 53 mm
Sensing distance:	50 mm ¹⁾
Nadajnik światła:	UV-LED ²⁾
Receiving filters:	RG 665
Receiving range:	670 nm ... 750 nm
Nastawa:	Manual (rotary switch)
Średnica plamki świetlnej:	5 mm x 15 mm

¹⁾ Od przedniej powierzchni soczewki; ²⁾ Average service life 100,000 h at T_a = +25 °C; ³⁾ Długość fali: 375 nm;

!Mechanics/electronics!

Napięcie zasilania VS:	DC 12 V ... 30 V ¹⁾
Tętnienia resztkowe:	< 2 Vss ²⁾
Pobór prądu:	< 60 mA ³⁾
Switching frequency:	1,5 kHz ⁴⁾
Czas reakcji:	350 µs ⁵⁾
Wyjście przełączające:	NPN: HIGH = approx. VS / LOW ≤ 2 V, PNP: HIGH = VS- ≤ 3 V / LOW = approx. 0 V
Tryb przełączania:	PNP/NPN
Sposób przyłączenia:	Złącze M12, 5-pinowe
VDE protection class:	II ⁶⁾
Układ zabezpieczenia:	A = VS connections reverse-polarity protected Wyjście Q zabezpieczone przed zwarciami Tłumienie interferencji
Rodzaj zabezpieczenia:	IP 67
Ciężar:	ca. 400 g
Housing material:	Cynkowa, odlewana
Tryb przełączania:	Przełączanie na jasnym
Output current I _{max} ..:	100 mA

1) Limit values: operation in short-circuit protected network max. 8 A; 2) May not exceed or fall short of V_S tolerances; 3) Bez obciążenia; 4) With light/dark ratio 1:1, no time delay; 5) Signal transit time with resistive load; 6) Reference voltage 50 V DC;

!Ambient data!

Ambient temperature:

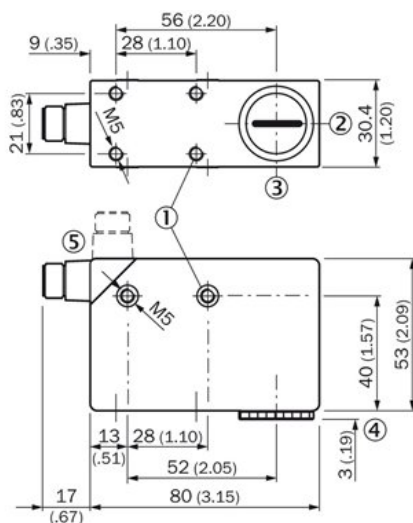
Operation: -10 ... 55 °C

Storage: -25 ... 75 °C

Shock load:

According to IEC 60068

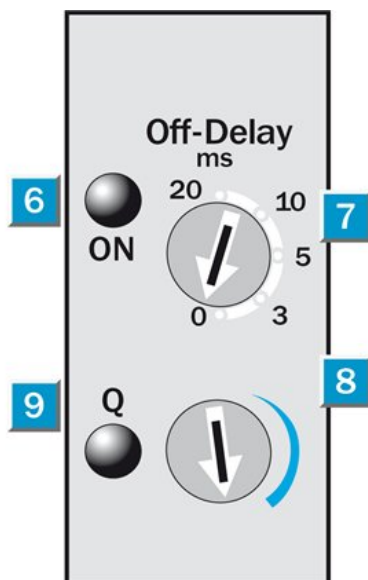
Rysunek techniczny



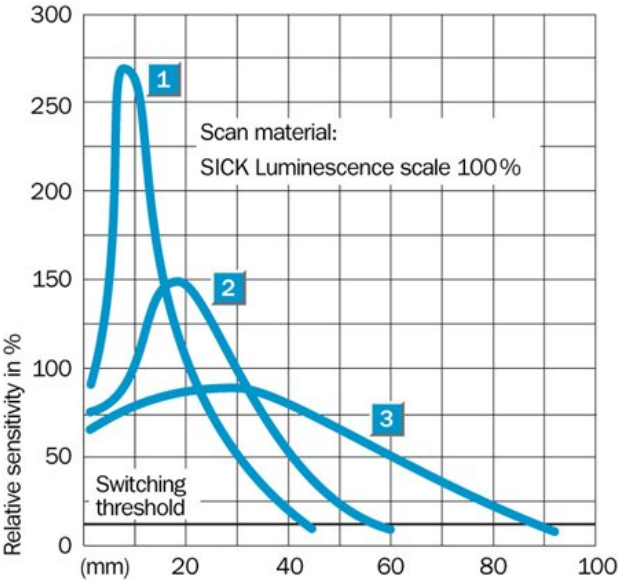
- [1] M5 threaded mounting hole, 5.5 mm deep
- [2] Kierunek plamki świetlnej
- [3] Center of optical axis
- [4] See dimensional drawing for lens
- [5] Connector M12 (rotatable through 90°)

All dimensions in mm (inch)

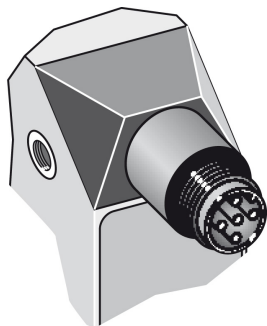
Adjustments



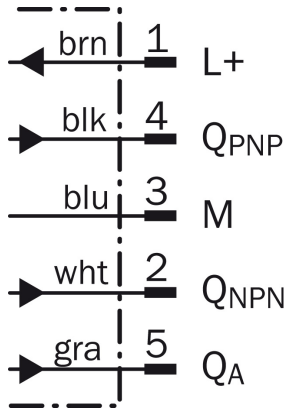
Sensing distance



Typ połączenia



Schemat połączenia



Australia

Phone +61 3 9497 4100
1800 33 48 02 – 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

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

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

Republic of Korea

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

Republika Slovenija

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

România

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

Russia

Phone +7 495 775 05 34
E-Mail info@sick-automation.ru

Schweiz

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

Singapore

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

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 +90 216 587 74 00
E-Mail info@sick.com.tr

United Arab Emirates

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

USA/Canada/México

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

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