

Czujniki luminescencji LUT3

LUT3-820



Nazwa modelu > **LUT3-820**

Numer części > **1012868**

- 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:	20 mm ¹⁾
Nadajnik światła:	UV-LED ²⁾
Receiving filters:	KV 418 (Standard)
Receiving range:	450 nm ... 750 nm
Nastawa:	Manual (rotary switch)
Średnica plamki świetlnej:	3 mm x 9 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:

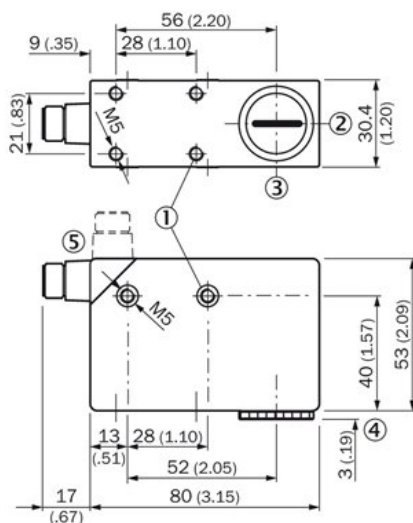
Operation: -10 ... 55 °C

Storage: -25 ... 75 °C

Shock load:

According to IEC 60068

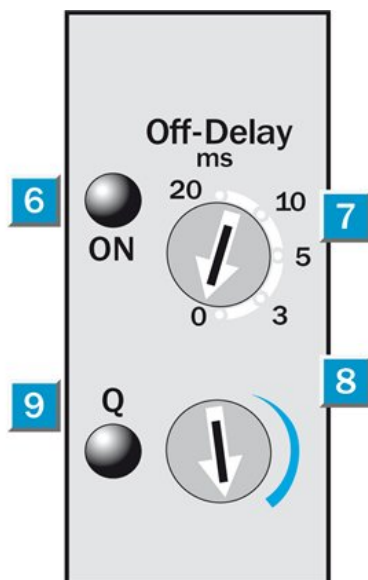
Rysunek techniczny



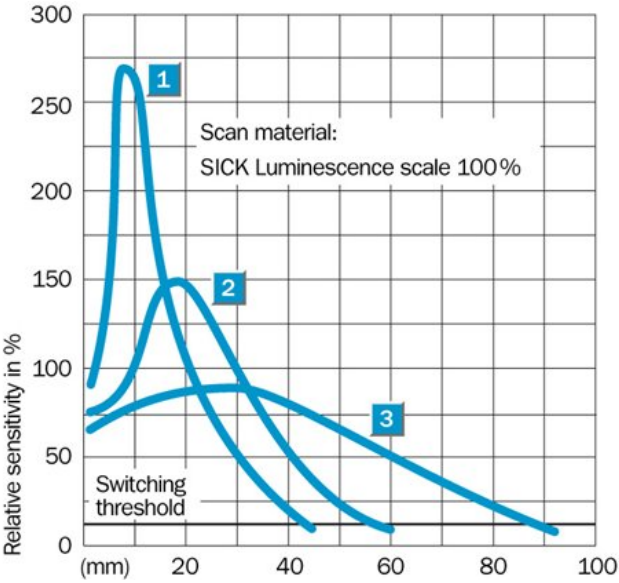
- [1] M5 threaded mounting hole, 5.5 mm deep
- [2] Kierunek plamki świetlnej
- [3] Center of optical axis
- [4] See dimensional drawing for lens
- [5] Connector M12 (rotatable through 90°)

All dimensions in mm (inch)

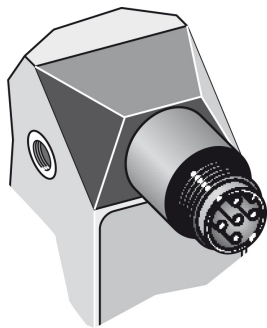
Adjustments



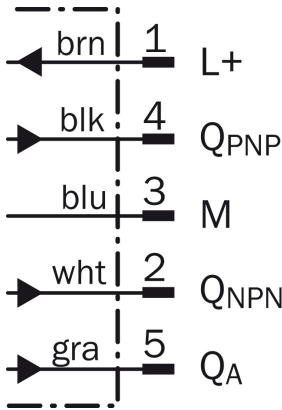
Sensing distance



Typ połączenia



Schemat połączenia



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