XUK5LAPSMM12 Laser diffuse sensor, energetic



ECOLAB





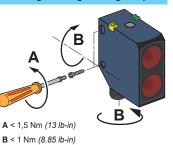


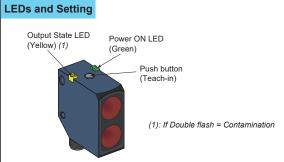


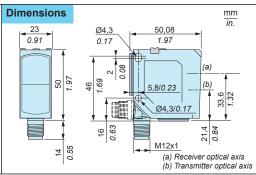
Scan the Qr-code to access this Instruction Sheet in different languages or you can download it from our website at: www.tesensors.com

We welcome your comments about this document. You can reach us through the customer support page on your local website.

Mounting and Tightening torques

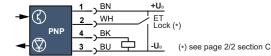






Wiring diagrams



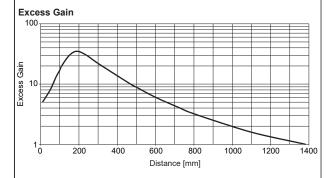




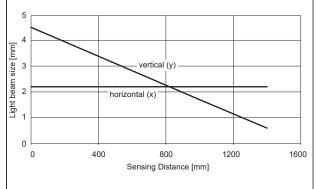


CE - UKCA - cULus - Ecolab

Detection curves



Light beam size



Characteristics Certification

Certification			CE - UNCA - CULUS - ECOIAD
Sensing	distance ce material)	White	51200 mm / 0.2047.24 in
(Reference material) Gr		Grey	10700 mm / 0.3927.56 in
		Black	100400 mm / 3.9415.75 in
Hysteresis			≤ 15 %
Sensing distance setting			Teach button or control input ET / Lock
Color of detection light beam			Laser class 1, red, 655 nm
Spot size of the light beam		ı	see "Light beam size" curve
	Wavelength		λ = 655 nm
*-	Puls duration		t = 2 μs
	Frequency		f = 8.6 kHz
	Limit of radiant por	wer pulse	Pp = 4 mW
Output type			PNP (N.O. or N.C.)
Current consumption			≤ 30 mA
Switching capacity			≤ 100 mA
Switching frequency			≤ 3500 Hz
First-up delay			300 ms max.
Response time			0,8 ms max.
Recovery time			0,8 ms max.
Ambient Temperature			Operating : - 20+60 °C (-4+140 °F) Storage : - 20+80 °C (-4+176 °F)
Power Voltage			Rated operational voltage: 1224 Vdc Ripple p-p 10% maximum Operating range: 1030 Vdc (including ripple)
Product Protection			Power supply: Reverse polarity protection Output: Short circuit protection
Protection class			
Degree of protection			IP67 conforming to EN/IEC 60529 IP69K conforming to DIN 40050
Vibration resistance			Frequency range: 10 Hz to 55 Hz Acceleration: 7 gn
Shock resistance			Peak acceleration: 10 gn Duration of the pulse: 11 ms
Permitted cable length			100 m / 328.1 ft
Material			Housing: ABS/PC, Lens: PMMA
Factory setting			max. scanning distance and N.O.

WARNING

UNINTENDED EQUIPMENT OPERATION

- Comply with the wiring and configuration instructions.
 Clean the lens regularly, taking care not to scratch it.
 Check the connections and fixings during maintenance operations.

Failure to follow these instructions can result in death, serious injury or equipment damage.

CAUTION

HAZARD OF LASER RADIATION EXPOSURE

- Do not stare into the beam.
 Do not operate below 20°C (- 4°F)
 Follow all operating instructions.

Failure to follow these instructions can result in injury or equipment damage

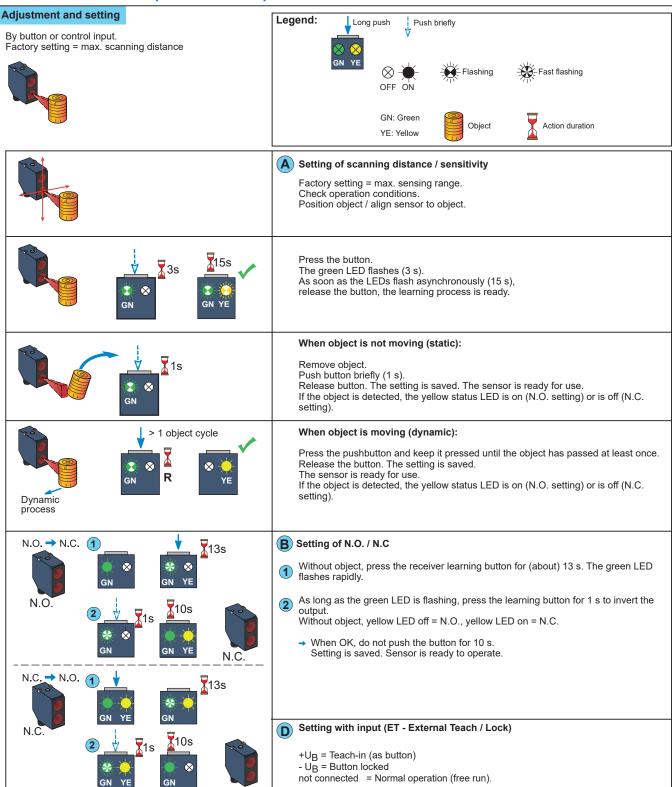


CLASS 1 LASER PRODUCT (DIN EN 60825-1) Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to laser Notice No. 50 dated June 24, 2007

Electrical equipment should be installed, operated and maintained only by qualified personnel.

No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

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