



Wzmacniacze światłowodowe

WLL170-2N490



Nazwa modelu > **WLL170-2N490**

Numer części > **6029526**



At a glance

- Rapid response time (50 μ s)
- Switching threshold adjustment via potentiometer or teach-in via button or cable
- Four different teach-in modes
- Simple installation
- Red or green emitter LED

Your benefits

- Reliable detection of rapid processes
- Short commissioning time saves on installation costs
- The optimum setting for every application due to different teach-in modes, making the sensor customized to the specific application
- Ideal emitted light for color or contrast detection
- Fiber optics sensor with simple handling thanks to setting via potentiometer and switch



Cechy

Wymiary (Szer. x Wys. x Głęb.):	10,5 mm x 35,5 mm x 83,7 mm
Maks. strefa działania:	0 mm ... 1.700 mm, through-beam system, LL3-TB02 and tip adapter LL3-TA01
Sensing range:	0 mm ... 45 mm, proximity system 0 ... 350 mm, through-beam system, LL3-TB01 ¹⁾
Nadajnik światła:	LED ²⁾
Rodzaj światła:	Światło zielone
Długość fali:	520 nm
Nastawa:	adjustable
Nastawienie czułości:	adjustable Potentiometer, 10 revolutions ³⁾
Typ czasu:	Off-delayed
Czas opóźnienia:	selectable by sliding switch: $\geq$ 40 ms
Indication:	LED
Zasada działania czujnika/Sposób detekcji:	Fiber-optic photoelectric sensor

With correctly attached fibre-optic cable LL3 and closed protection hood;

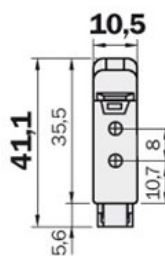
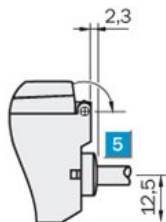
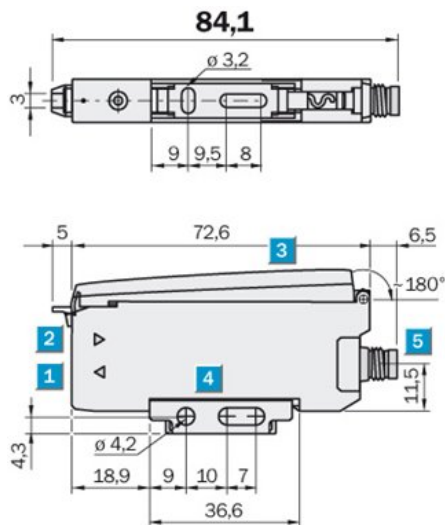
1) 3) ²⁾ Average service life 100,000 h at Ta = +25 °C

Mechanika/elektronika

Rodzaj zabezpieczenia:	IP 66
Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	10 % ²⁾
Pobór prądu:	≤ 30 mA ³⁾
Wyjście przełączające:	NPN, przełączanie jasno/ciemno, wybierane, selectable via light/dark selector, open collector
Output current I _{max} ..:	≤ 100 mA
Czas reakcji:	≤ 0,25 ms ⁴⁾
Switching frequency:	2.000 Hz with light/dark ratio 1:1
Typ połączenia:	Wtyk M8, 4-pinowe
Ilość żył:	4
Klasa ochronności:	III
Układ zabezpieczenia:::::	A B C D ⁵⁾ ⁶⁾ ⁷⁾ ⁸⁾
Tworzywo, obudowa:	ABS/PC
Ambient temperature, operation:	-25 °C ... 55 °C
Ambient temperature, storage:	-40 °C ... 70 °C

¹⁾ Limit values ²⁾ May not exceed or fall short of V ³⁾ Without load ⁴⁾ Signal transit time with resistive load ⁵⁾ A = VS connections reverse-polarity protected ⁶⁾ B = inputs and output reverse-polarity protected ⁷⁾ C = interference suppression ⁸⁾ D = outputs overcurrent and short-circuit protected

Rysunek techniczny



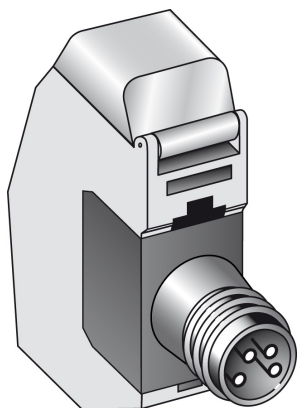
- [1] Nadajnik
- [2] Receiver, installation of LL3 fibre optic cable (receiver fibre)
- [3] Protective hood, can be raised at both ends
- [4] Mounting bracket, included
- [5] Connection

Możliwość dostosowania

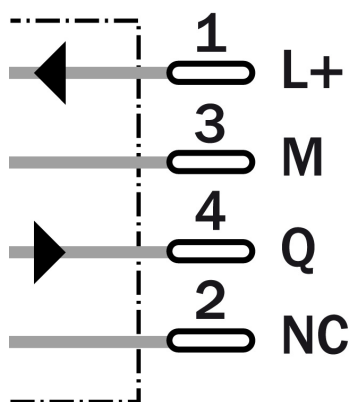


- [6] Indication of correct fibre-optic cable mounting
- [7] LED indicator orange, lights up when switching output is active
- [8] LED signal strength indicator green, lights up, when light received < 0.9 or > 1.1 (switching threshold = 1)
- [9] Sensitivity scale 270°
- [10] Sensitivity control (10 revolutions)
- [11] L.ON/ d.ON selection switch. "OFF DLY" (on) / "OFF", 40 ms fixed
- [12] Selector switch: "L.ON" (light-switching) / "D.ON" (dark-switching)

Typ połączenia



Schemat połączenia



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