



Fotoprzełączniki V12-2, Fotoprzełącznik odbiciowy, energetyczny

VT12-2P110S01



Nazwa modelu > **VT12-2P110S01**

Numer części > **6034337**



Produkt może różnić się od ilustracji

At a glance

- Sensing distance up to 115 mm or 340 mm (90% remission)
- 2 teach-in modes: Standard teach mode for basic applications, precise teach mode with small hysteresis for special applications
- Adjustable light or dark switching as complementary outputs
- PNP or NPN output available
- Complements inductive sensor portfolio
- M12 housing
- 4-pin M12 connector or 2 m cable

Your benefits

- Standard M12 miniature housing saves installation space on the machine
- Simple design and time-saving installation due to a standard M12 housing
- Operating reserve display simplifies commissioning and saves maintenance time
- Cost-effective solution due to simple mounting, standardized connection technology and broad application use
- Fast response times ensure reliable detection of objects at high speeds, increasing machine throughput
- Tough metal housing provides a long service life, reducing maintenance time and costs



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, energetyczny
Housing design (light emission):	Cylindrical, straight
Długość obudowy:	54,5 mm
Thread diameter (housing):	Round connector M12 x 1
Maks. strefa działania:	0 mm ... 115 mm ¹⁾
Strefa działania:	2 mm ... 100 mm
Rodzaj światła:	Światło podczerwone
Nadajnik światła:	LED ²⁾
Długość fali:	880 nm
Kąt promieniowania:	Ca. 11,4 °
Średnica plamki świetlnej (odległość):	Ø 20 mm (100 mm)

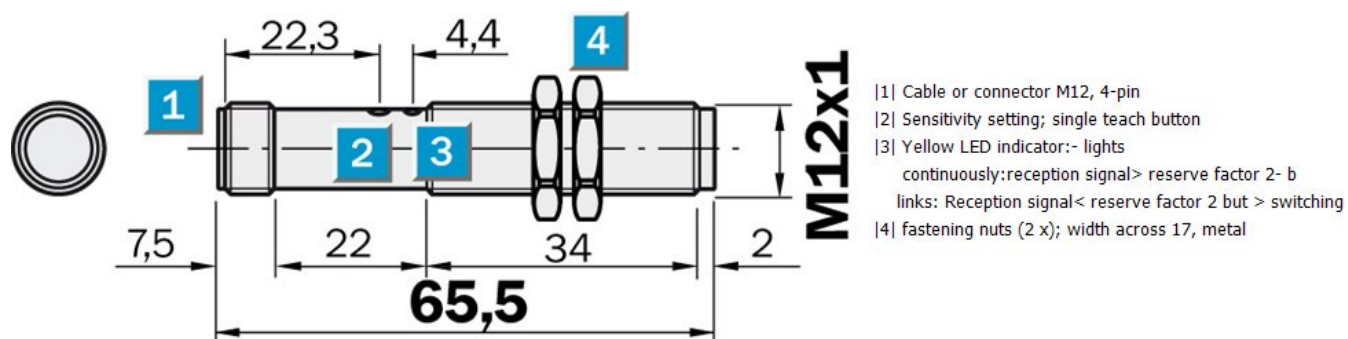
¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ²⁾ Average service life of 100,000 h at T_A = +25 °C

Mechanika/elektronika

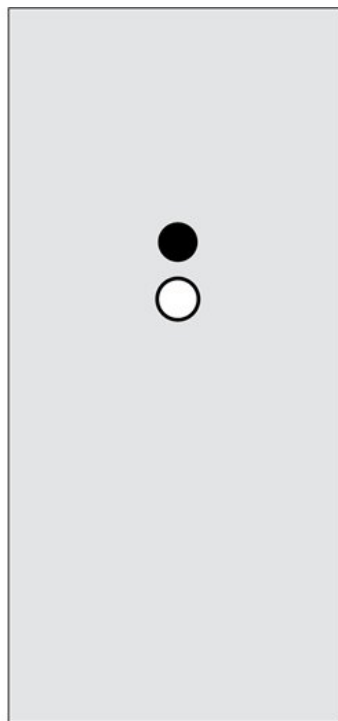
Napięcie zasilania:	10 V DC ... 30 ¹⁾
Tętnienia resztkowe:	≤ 10 % ²⁾
Pobór prądu:	20 ³⁾
Wyjście przełączające:	PNP
Tryb przełączania:	Przełączanie na jasnym
Output current I _{max} ..:	100 ⁴⁾
Czas reakcji:	≤ 1,25 ms ⁵⁾
Switching frequency:	400 ⁶⁾
Sposób przyłączenia:	Cable, 3-wire, 4 m ⁷⁾
Cable material:	PUR
Conductor cross-section:	0,14 mm ²
Cable diameter:	3,75 mm
Układ zabezpieczenia:::	A, B, C, D ⁸⁾ ⁹⁾ ¹⁰⁾ ¹¹⁾
Klasa ochrony:	III
Ciężar:	54 g
Special device:	✓
Tworzywo, obudowa:	Nickel-plated brass/PA, Metal
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67
Ambient operating temperature:	-25 ... 70 °C
Ambient storage temperature:	-25 ... 70 °C

¹⁾ Limit values ²⁾ May not exceed or fall short of V_S tolerances ^{3) 4)} Bez obciążenia ⁵⁾ Signal transit time with resistive load ⁶⁾ With light/dark ratio 1:1 ⁷⁾ Do not bend below 0 °C ⁸⁾ A = V_S connections reverse-polarity protected ⁹⁾ B = inputs and output reverse-polarity protected ¹⁰⁾ C = interference suppression ¹¹⁾ D = outputs overcurrent and short-circuit protected

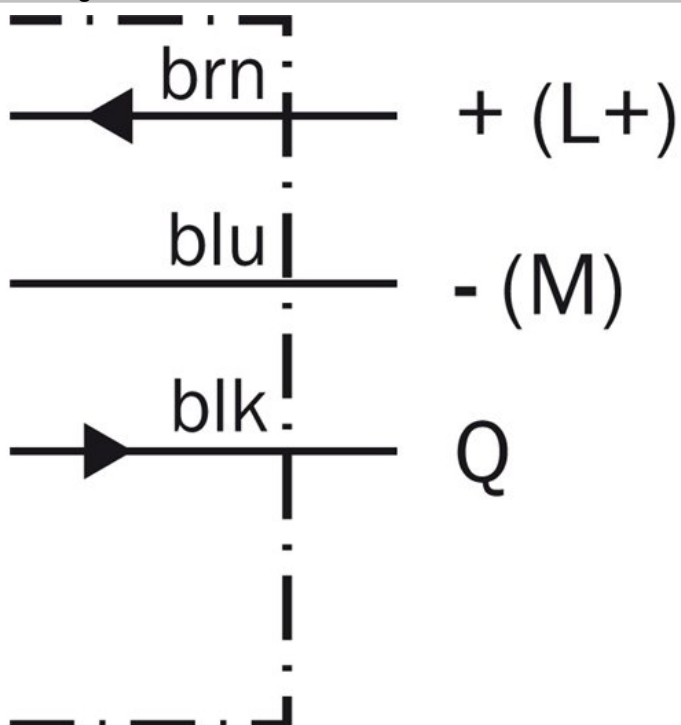
Dimensional drawing



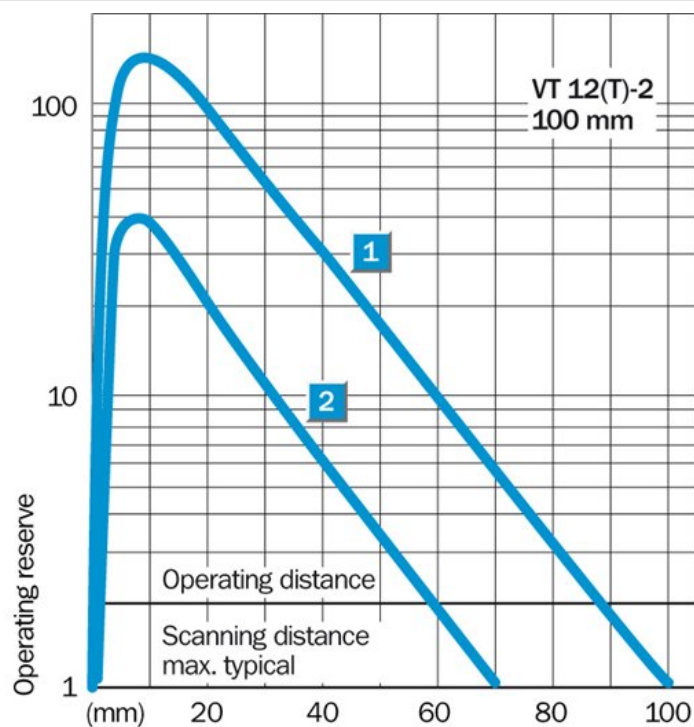
Adjustments possible



Connection diagram



Characteristic curve



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