



Fotoprzełączniki V18, Fotoprzełącznik refleksyjny

VL18-4P3612



Nazwa modelu > **VL18-4P3612**

Numer części > **6013603**



Produkt może różnić się od ilustracji

At a glance

- Cylindrical M18 housing
- Sensing distance up to 3.7 m
- 3- or 4-wire
- Straight or right-angle housing
- Metal or plastic housing

Your benefits

- Simple, standardized design ensures easy mounting, alignment and replacement
- Compact, space-saving design easily fits in tight application spaces
- Polarizing filter prevents false readings on reflective surfaces, reducing downtime



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik refleksyjny
Housing design (light emission):	Cylindrical, straight, straight
Długość obudowy:	63,6 mm
Thread diameter (housing):	M18 x 1
Oś optyczna:	Osiowa
Maks. strefa działania:	0,05 m ... 3,7 m ¹⁾
Strefa działania:	0,05 m ... 3 m ²⁾
Rodzaj światła:	Widzialne światło czerwone
Nadajnik światła:	LED ³⁾
Light spot (distance):	150 mm (3 m)
Kąt promieniowania:	2,8 °

1) 2) C110A ³⁾ Average service life 100,000 h at Ta = +25 °C

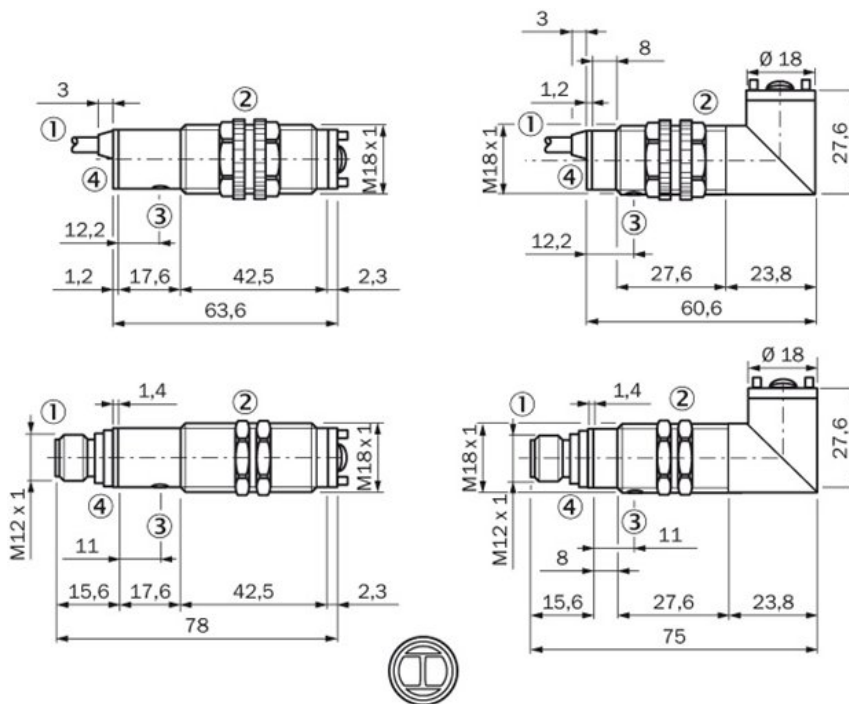
Mechanika/elektronika

Napięcie zasilania:	10 V DC ... 30 V DC ¹⁾
Tętnienia resztkowe:	≤ 10 % ²⁾
Current consumption:	≤ 30 mA ³⁾
Wyjście przełączające:	PNP, przełączanie jasno/ciemno, wybierane, Selectable via L/D control wire, open collector ⁴⁾
Output current I _{max} :	100 mA
Czas reakcji:	≤ 2 ms ⁵⁾
Switching frequency:	250 Hz ⁶⁾
Typ połączenia:	Cable, 4-wire, 2 m ⁷⁾

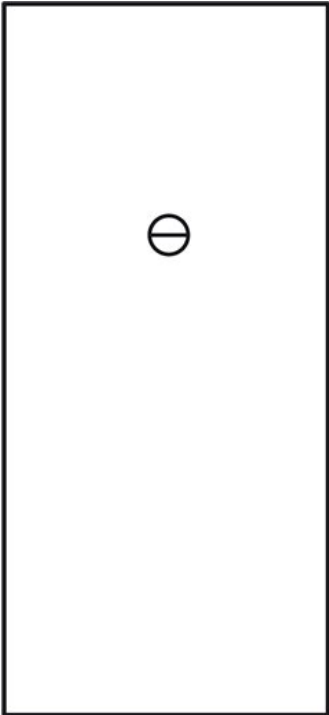
Cable material:	PVC
Conductor cross-section:	0,14 mm ²
Cable diameter:	5 mm
Układ zabezpieczenia::::	A, B, C, D ^{8) 9) 10) 11)}
Klasa ochronności:	III
Ciężar:	100 g
Filtr polaryzacyjny:	✓
Tworzywo, obudowa:	PBT/PC
Tworzywo, układ optyczny:	PMMA
Rodzaj zabezpieczenia:	IP 67
Ambient operating temperature:	-25 °C ... 70 °C
UL File-No.:	UL No. NMFT2.E175606

¹⁾ Limit values ²⁾ May not exceed or fall short of V_S ³⁾ Bez obciążenia ⁴⁾ Control wire open: dark-switching D.ON 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

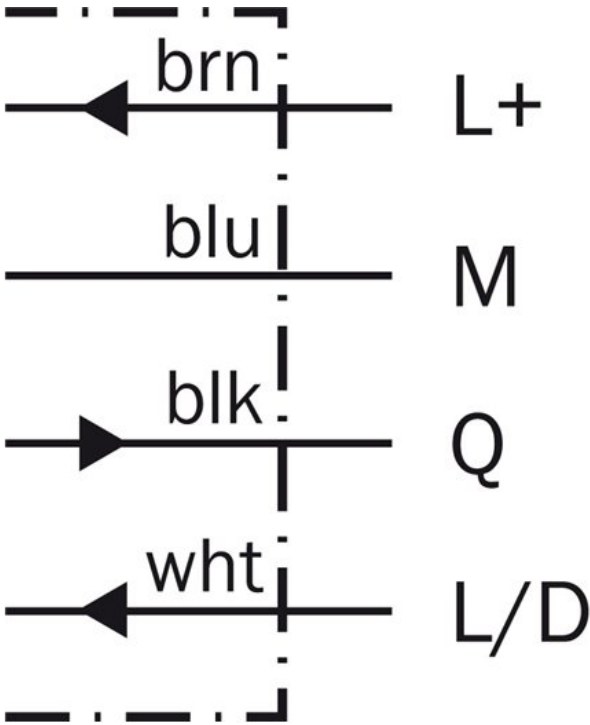
Dimensional drawing



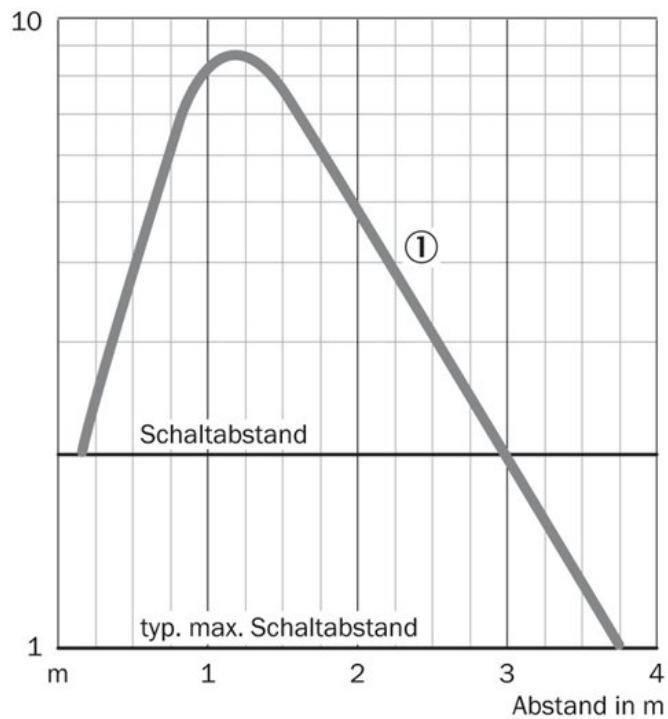
Adjustments possible



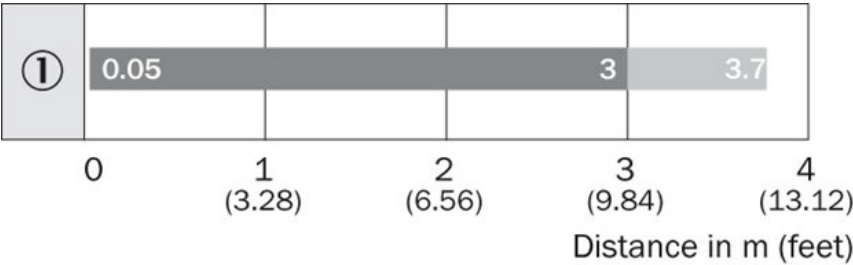
Connection diagram



Characteristic curve



Sensing range diagram



Operating range Scanning range typ. max.

① Reflector type C110

Connection type



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