



## Fotoprzełączniki V18, Fotoprzełącznik refleksyjny

VL18-4P3340



Nazwa modelu > [VL18-4P3340](#)

Numer części > [6013569](#)



#### 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, angled, angled 90° |
| Długość obudowy:                           | 75 mm                           |
| Thread diameter (housing):                 | M18 x 1                         |
| Oś optyczna:                               | kątowe                          |
| Maks. strefa działania:                    | 0,05 m ... 3,7 m <sup>1)</sup>  |
| Strefa działania:                          | 0,05 m ... 3 m <sup>2)</sup>    |
| Rodzaj światła:                            | Widzialne światło czerwone      |
| Nadajnik światła:                          | LED <sup>3)</sup>               |
| Light spot (distance):                     | 150 mm (3 m)                    |
| Kąt promieniowania:                        | 2,8 °                           |

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

#### Mechanika/elektronika

|                                     |                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------|
| Napięcie zasilania:                 | 10 V DC ... 30 V DC <sup>1)</sup>                                                                        |
| Tętnienia resztkowe:                | ≤ 10 % <sup>2)</sup>                                                                                     |
| Pobór prądu:                        | ≤ 30 mA <sup>3)</sup>                                                                                    |
| Wyjście przełączające:              | PNP, przełączanie jasno/ciemno, wybierane, Selectable via L/D control wire, open collector <sup>4)</sup> |
| Output current I <sub>max</sub> ..: | 100 mA                                                                                                   |
| Czas reakcji:                       | ≤ 2 ms <sup>5)</sup>                                                                                     |
| Switching frequency:                | 250 Hz <sup>6)</sup>                                                                                     |
| Typ połączenia:                     | Wtyk M12, 4-pin                                                                                          |

Układ zabezpieczenia::::

A, B, C, D <sup>7)</sup> <sup>8)</sup> <sup>9)</sup> <sup>10)</sup>

Klasa ochrony:

III

Ciężar:

120 g

Filtr polaryzacyjny:

✓

Tworzywo, obudowa:

Mosiądz niklowany

Tworzywo, układ optyczny:

PMMA

Rodzaj zabezpieczenia:

IP 67

Ambient operating temperature:

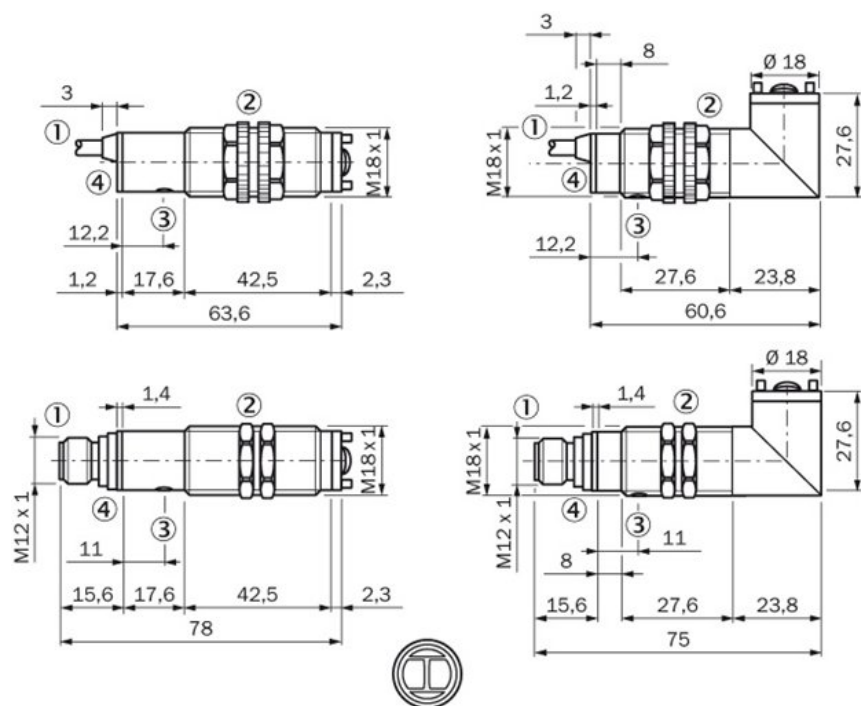
-25 °C ... 70 °C

UL File-No.:

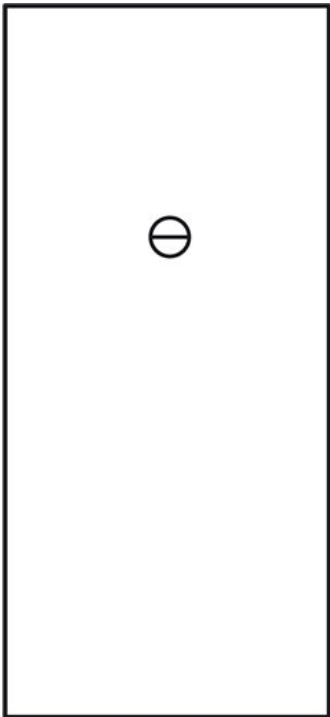
UL No. NMFT2.E175606

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)  $A = V_S$  connections reverse-polarity protected 8) B = inputs and output reverse-polarity protected 9) C = interference suppression 10) D = outputs overcurrent and short-circuit protected

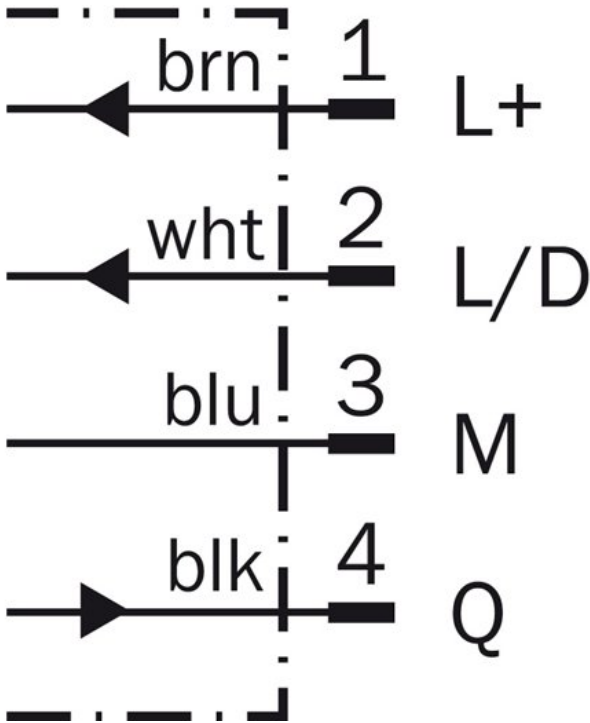
## Dimensional drawing



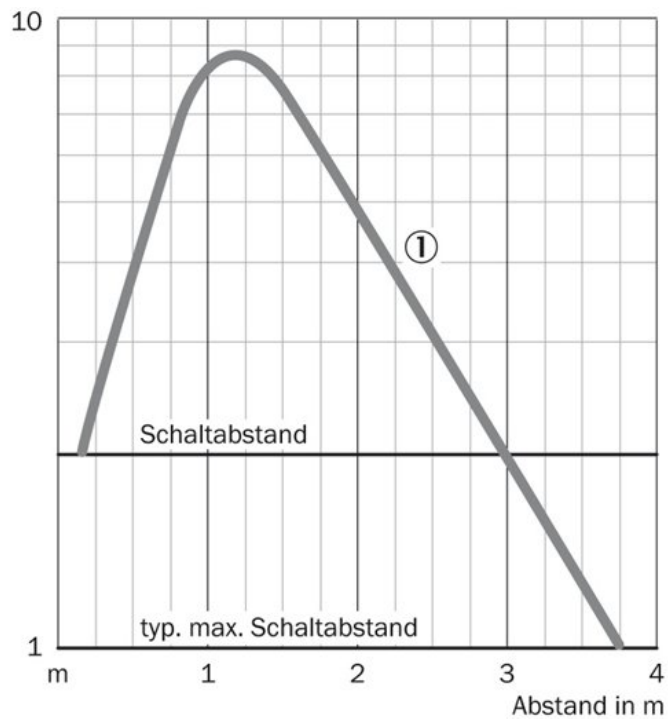
Adjustments possible



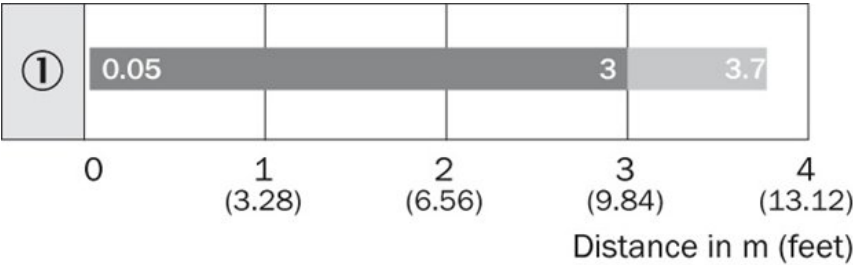
Connection diagram



Characteristic curve



Sensing range diagram

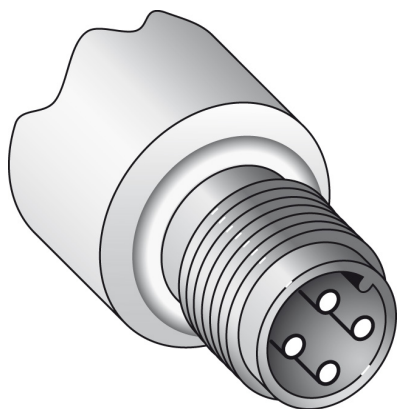


Operating range      Scanning range typ. max.

① Reflector type C110

## Connection type

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