



Fotoprzełączniki V18, Fotoprzełącznik odbiciowy, energetyczny

VTE18-4P8440



Nazwa modelu > [VTE18-4P8440](#)

Numer części > [6013155](#)



At a glance

- Cylindrical M18 housing
- Three sensing distances of 200 mm, 400 mm or 800 mm
- 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



Cechy

Zasada działania czujnika/Sposób detekcji:	Fotoprzełącznik odbiciowy, energetyczny
Housing design (light emission):	Cylindrical, angled, angled 90°
Długość obudowy:	75 mm
Thread diameter (housing):	M18 x 1
Oś optyczna:	kątowe
Maks. strefa działania:	5 mm ... 400 mm ¹⁾
Strefa działania:	5 mm ... 350 mm
Rodzaj światła:	Światło podczerwone
Nadajnik światła:	LED ²⁾
Light spot (distance):	20 mm (400 mm)
Nastawienie czułości:	Potentiometer, 270°
Kąt promieniowania:	2,8 °

¹⁾ Obiekt odbijający 90% światła (standardowy biały zgodnie z normą DIN 5033) ²⁾ 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⁾
Pobór prądu:	≤ 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:	Wtyk M12, 4-pin

Układ zabezpieczenia:::

Klasa ochrony:

Ciężar:

Tworzywo, obudowa:

Tworzywo, układ optyczny:

Rodzaj zabezpieczenia:

Ambient operating temperature:

UL File-No.:

A, B, C, D^{7) 8) 9) 10)}

III

120 g

Mosiądz niklowany

PMMA

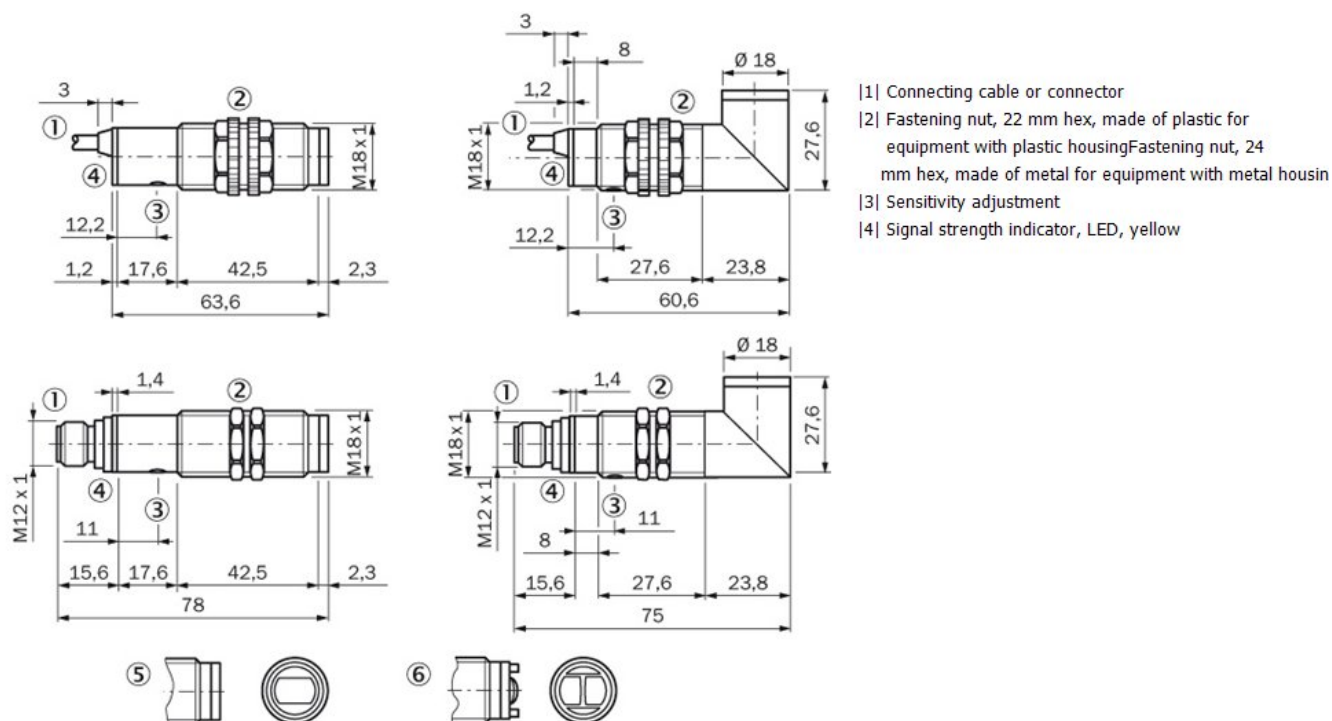
IP 67

-25 °C ... 70 °C

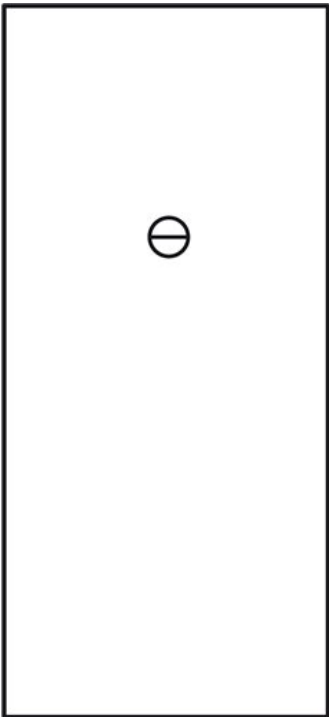
UL No. NMFT2.E175606

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

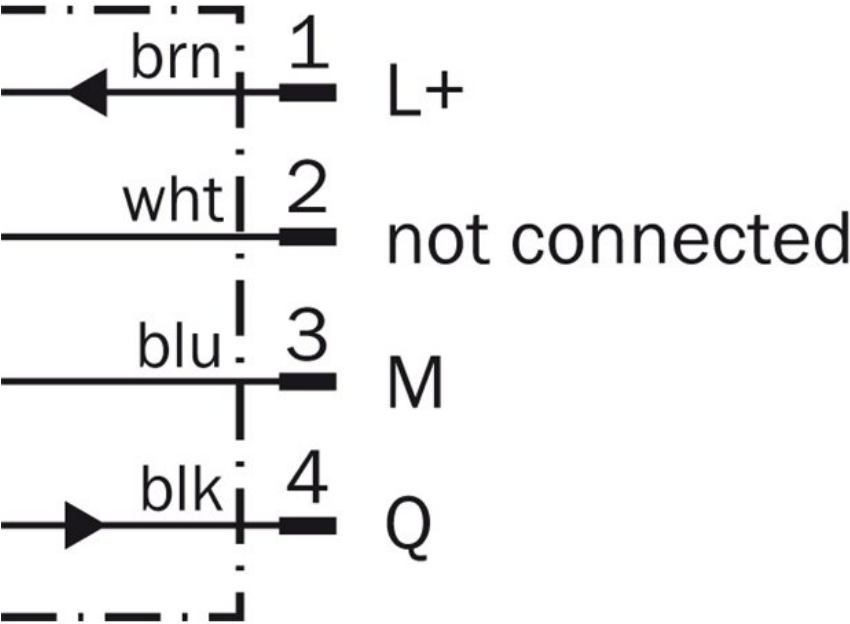
Dimensional drawing



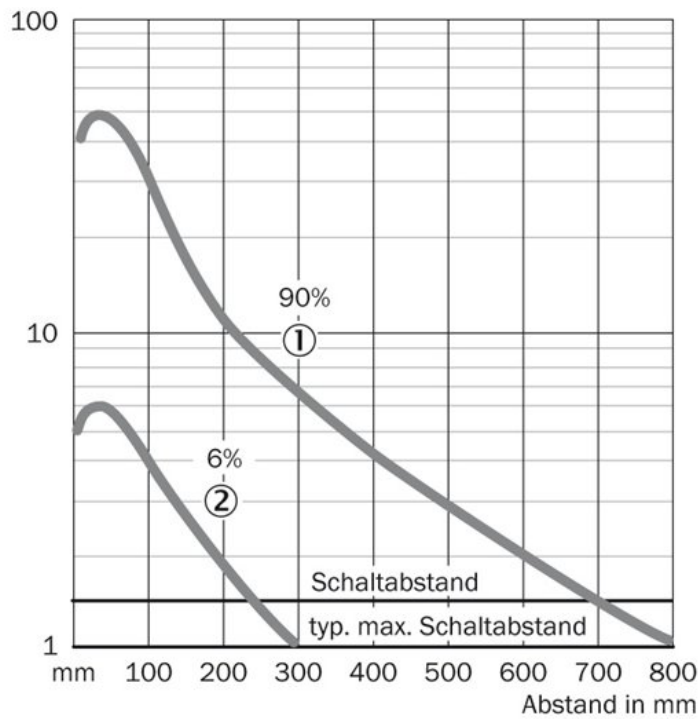
Adjustments possible



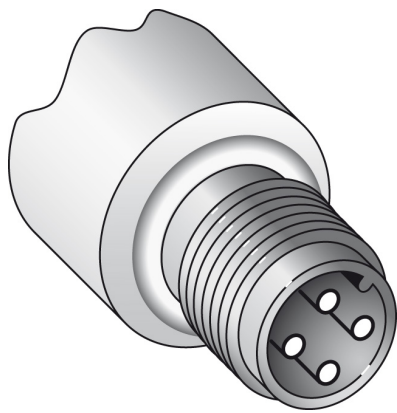
Connection diagram



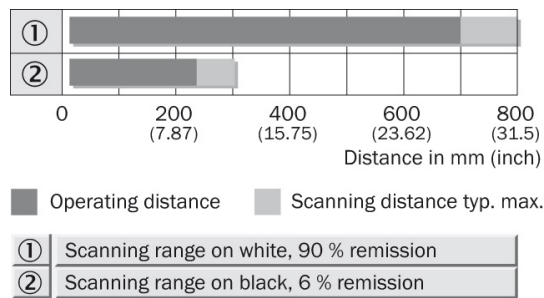
Characteristic curve



Connection type



Sensing range diagram



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