



Photoelectric sensors

VT18-2T1112



Model Name > [VT18-2T1112](#)

Part No. > [6011370](#)



Illustration may differ

At a glance

- Cylindrical M18 housing
- Three adjustable sensing distances of 100 mm, 200 mm or 400 mm
- Voltage supply of 20 to 253 V AC with TRIAC output

Your benefits

- Simple, standardized design ensures easy mounting, alignment and replacement
- For connection to alternating voltage



Features

Sensor/detection principle:	Photoelectric proximity sensor, energetic
Housing design (light emission):	straight
Housing length:	88 mm
Thread diameter (housing):	M18 x 1
Optical axis:	Axial
Sensing range max.:	2 mm ... 100 mm ¹⁾
Sensing range:	3 mm ... 90 mm
Type of light:	Infrared light
Light source:	LED ²⁾
Light spot (distance):	12 mm (100 mm)
Angle of dispersion:	3.5 °
Adjustment:	no/fix

¹⁾ Object with 90 % reflectance (referred to standard white DIN 5033) ²⁾ Average service life of 100,000 h at T_A = +25 °C

Mechanics/electronics

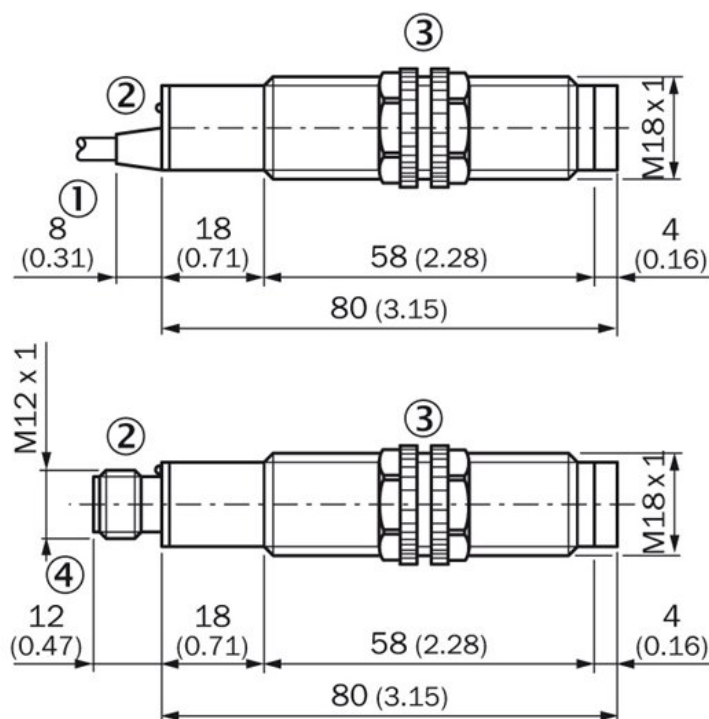
Supply voltage:	20 V AC ... 253 V AC ¹⁾
Mains frequency:	50 Hz 60 Hz
Power consumption:	≤ 30 mA ²⁾
Output type:	TRIAC, light switching
Output current I _{max.} :	300 mA ³⁾
Response time:	≤ 20 ms ⁴⁾
Switching frequency:	25 Hz with light/dark ratio 1:1 ⁵⁾
Connection type:	Cable, 3-wire 2 m ⁶⁾
Cable material:	PVC
Conductor cross-section:	0.34 mm ²

Cable diameter:	4.7 mm
Circuit protection:	C
	7)
Protection class:	III
Weight:	95 g
Housing material:	PBT/PC
Optics material:	PMMA
Enclosure rating:	IP 67
Ambient operating temperature:	-25 °C ... 70 °C

1) Limit values 2) Without load 3) Depending on supply voltage VS 4) Signal transit time with resistive load 5) With light/dark ratio 1:1 6) Do not bend below 0 °C 7) C

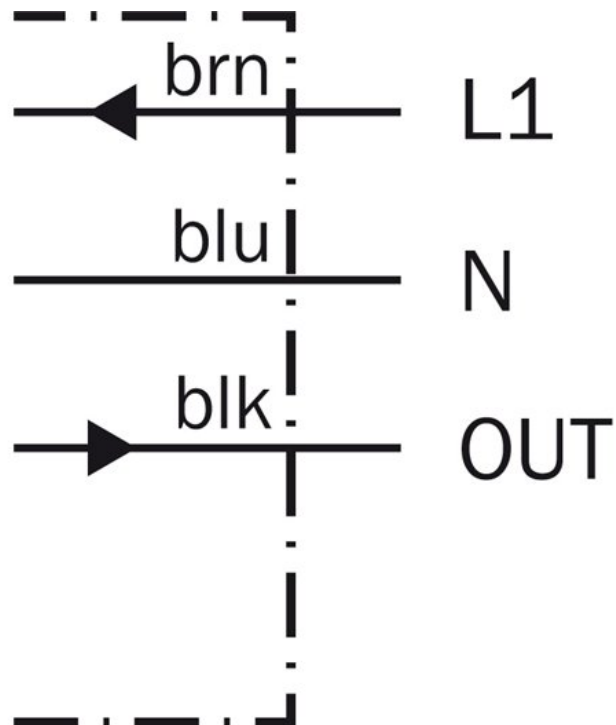
= interference suppression

Dimensional drawing

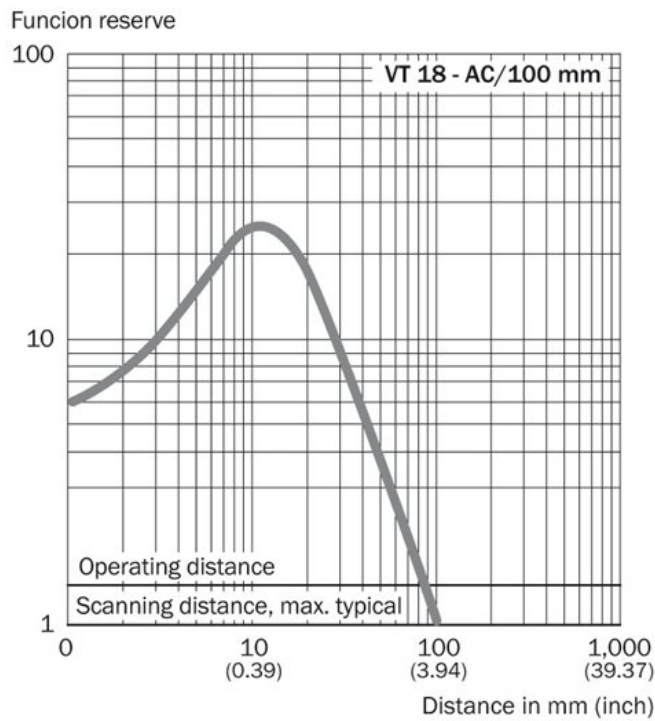


- [1] Connection cable
- [2] LED signal strength indicator
- [3] Fastening nuts, 22 mm hex (included)
- [4] Connector M12, 4- pin

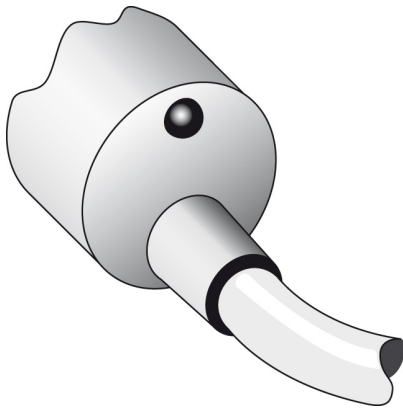
Connection diagram



Characteristic curve



Connection type



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