



Photoelectric sensors
Energetic, Photoelectric proximity sensor

VTE18L-3F324



Model Name > [VTE18L-3F324](#)
Part No. > [6027594](#)



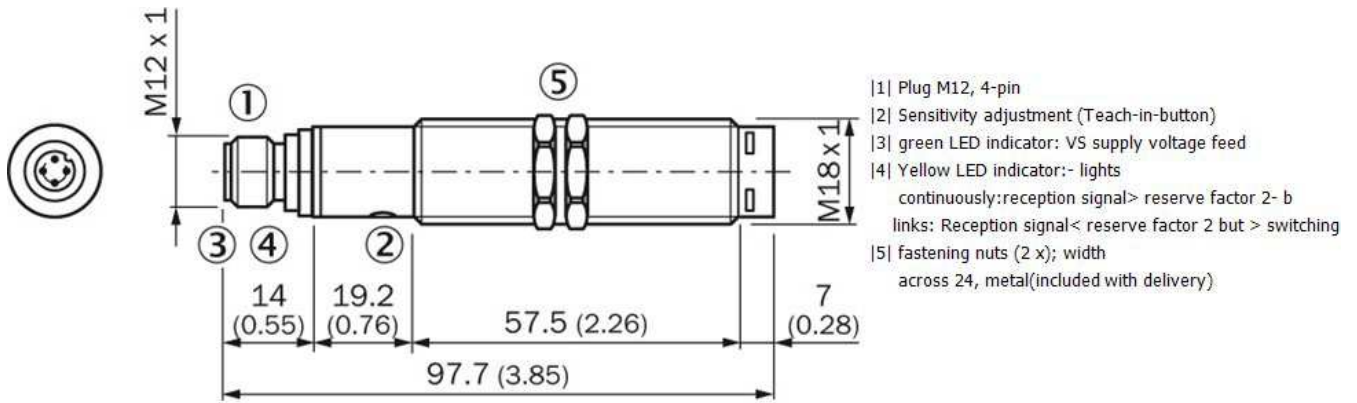
Product features

Sensing range min ... max::	0 mm ... 400 mm, 5 mm ... 300 mm
Type of light:	Laser, red light
Light spot diameter:	Approx. 0.1 mm at 100 mm (= focus), approx. 5.0 mm at 200 mm, approx. 8.0 mm at 300 mm
Laser:	Laser, red light
Sensing range max.:	0 mm ... 400 mm, 5 mm ... 300 mm
Wave length:	650 nm
Optical axis:	axial

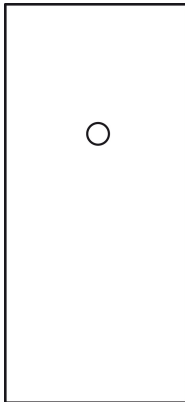
Technical data

Design::	Cylinder with thread
Dimensions (W x H x D):	97.7 mm
Supply voltage min ... max::	DC 10 ... 30 V
Ripple:	≤ 10 %
Power consumption:	≤ 30 mA
Output type:	PNP, Q
Switching mode:	Light switching
Output current max.:	≤ 100 mA
Response time::	≤ 0.625 ms
Switching frequency:	800 Hz
Connection type:	Connector, M12, 4-pin
Circuit protection:	V _S connections reverse-polarity protected/In-/outputs short-circuit protected/Interference suppression/Outputs overcurrent and short-circuit protected
Enclosure rating::	IP 67
Ambient operation temperature, min ... max::	-15 °C ... +55 °C
Ambient storage temperature, min ... max:	-25 °C ... +70 °C
Housing material:	Brass nickel-plated, plastic
Series:	V18 Laser
Optics material:	PC with protective glass pane
Thread size:	M18 x 1

Dimensional drawing



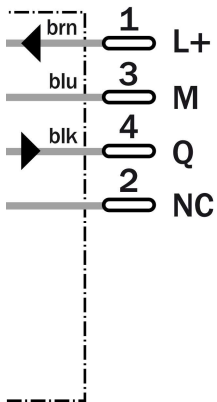
Adjustment possible



Connection type



Connection diagram



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