



Photoelectric sensors
Background suppression, Photoelectric proximity
sensor

WT12L-2B500S41



Model Name > [WT12L-2B500S41](#)
Part No. > [1023013](#)



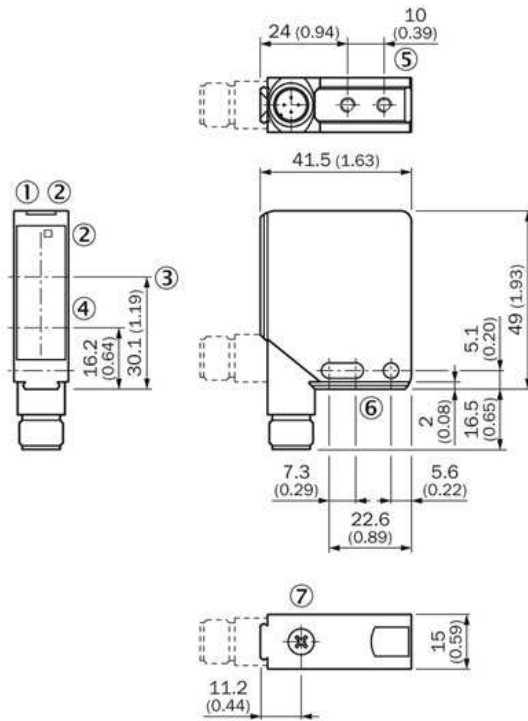
Product features

Sensing range min ... max::	30 mm ... 60 mm
Type of light:	Laser line, red light
Light spot diameter:	0.25 mm x 12 mm
Laser:	Laser line, red light
Sensing range max.:	30 mm ... 60 mm
Wave length:	650 nm

Technical data

Design::	Rectangular
Dimensions (W x H x D):	15 mm x 49 mm x 415 mm
Supply voltage min ... max.:	DC 10 ... 30 V
Ripple:	≤ 5 Vpp
Power consumption:	≤ 55 mA
Output type:	PNP/NPN
Output current max.:	≤ 100 mA
Response time::	≤ 200 μs
Switching frequency:	2,500 Hz
Connection type:	Connector, M12, 5-pin
Circuit protection:	V _S connections reverse-polarity protected/All outputs short-circuit protected/Interference suppression
Enclosure rating::	IP 67
Ambient operation temperature, min ... max.:	-10 °C ... +50 °C
Ambient storage temperature, min ... max.:	-25 °C ... +75 °C
Housing material:	die-cast zinc
Series:	W12L2 Laser

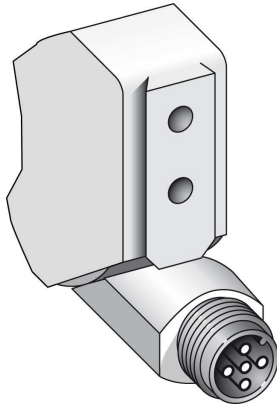
Dimensional drawing



- |2| LED reception indicator, yellow
- |3| Optical axis, receiver
- |4| Optical axis, sender

- |6| Mounting hole, \varnothing 4.2 mm
- |7| Sensing distance adjustment

Connection type



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