

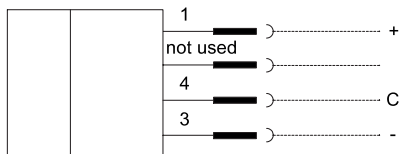
Photoelectric Sensors

Series M18

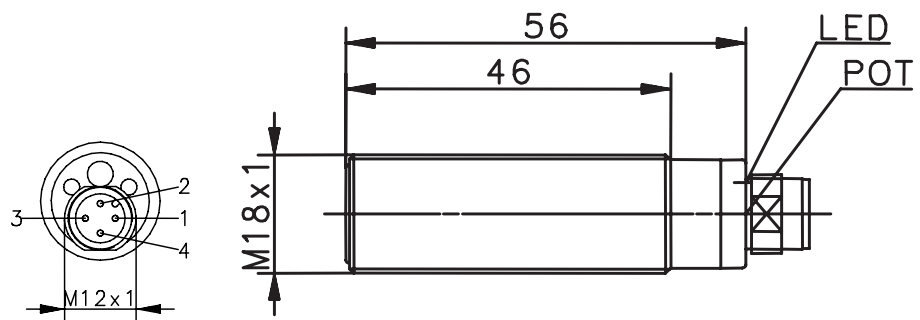
Description **ON18SE-DOOS-08.0-SCV**

Article number **6551021001**

Wiring Diagram



C = Control-Input. The emitter will be turned off when „Control“ and „-“ get connected (system test).



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Switching element function		programmable (L.A. / D.A.), permanent overload protection
Repeat accuracy	R	≤ 10 %
Differential travel (hysteresis)	H	≤ 15 %
Operational voltage range	U _B	10-36 V DC
Rated insulation voltage	U _i	75 V DC
Rated impulse withstand voltage	U _{imp}	500 V
Voltage drop	U _d	≤ 2 V
Utilization category		DC-13 @ I _e = 50 mA and U _e = 33 V DC
Minimum operational current	I _m	≤ 1 mA
Off-state current	I _r	≤ 0,1 mA
No-load supply current	I _o	≤ 25 mA
Max. rated output current		200 mA
Ambient light proof		10 kLux
Short-circuit protection		pulsed
Frequency of operating cycles	f	500 Hz
False polarity protection		yes
Time delay before availability	t _v	50 ms
Turn on time	t _{on}	1 ms

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2021-05-26 and will not be removed in case of changes.

Mechanical Data	
Enclosure	Stainless steel (Niro 1.4305)
End cap	PA66, black
Beam-output	PA12
Ambient air temperature	-20 °C ... +70 °C
Type of protection	IP67 (only in fully locked position with it's plugs)
Pollution degree	3 (Pollution of the optic can cause impairments of the operating distances.)
Indication	LED green
Termination type	Plug M12x1, PA
For attachment	Hexagonal nut, stainless steel (Niro 1.4305)

EU Conformity	
	2014/30/EU (EMC-Directive)