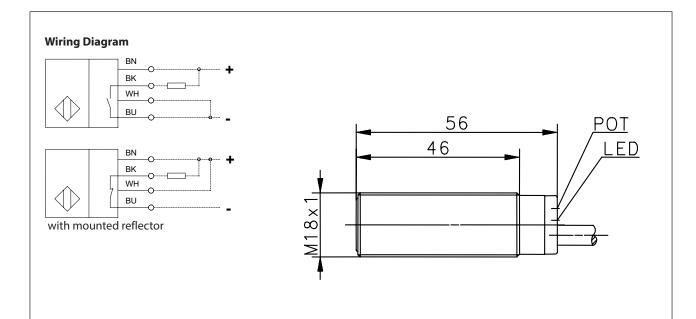


## **Photoelectric Sensors**

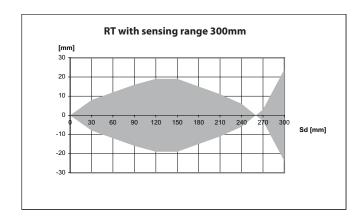
Series M18

## Description OM18RT-DPTN-0300-CLE

Article number **6557217002** 



## **Typical sensing range**



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This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded.



## Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Sensing range	S <sub>d</sub>	300 mm (Target white 200 mm x 200 mm)
Switching element function		programmable (L.A. / D.A.), permanent overload protection
Repeat accuracy	R	≤ 10 %
Differential travel (hysteresis)	Н	≤ 15 %
Operational voltage range	$U_{\mathtt{B}}$	10-36 V DC
Rated insulation voltage	U <sub>i</sub>	75 V DC
Rated impulse withstand voltage	$U_{imp}$	500 V
Voltage drop	U <sub>d</sub>	≤ 2 V
Utilization category		DC-13 @ le = 50 mA and Ue = 33 V DC
Minimum operational current	I <sub>m</sub>	1 mA
Off-state current	$I_r$	≤ 0,1 mA
No-load supply current	I <sub>o</sub>	≤ 15 mA, ( transmitter ≤ 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 <sub>v</sub>	50 ms
Turn on time	t <sub>on</sub>	1 ms

Mechanical Data		
Enclosure	brass, nickel plated	
End cap	PA66, black	
Plain front type	PA12	
Ambient air temperature	-20 °C +70 °C	
Type of protection	IP67	
Pollution degree	3 (Pollution of the optic can cause impairments of the operating distances.)	
Indication	Output LED yellow; Transmitter LED green	
Termination type	Cable 4 x 0,34 mm <sup>2</sup> x 2 m, PVC - Outer jacket, black	
For attachment	Hexagon nut; brass, nickel plated	

EU Conformity	
	acc. to directive 2014/30/EU (EMC-Directive)

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