

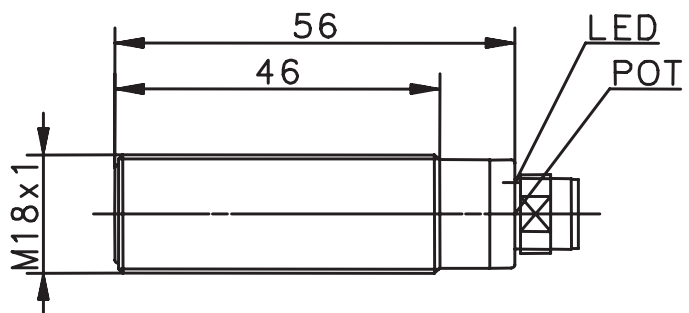
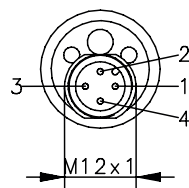
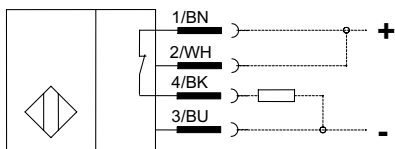
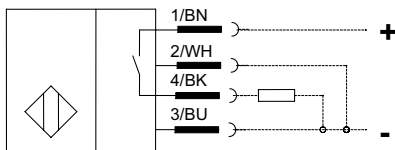
# Photoelectric Sensors

## Series M18

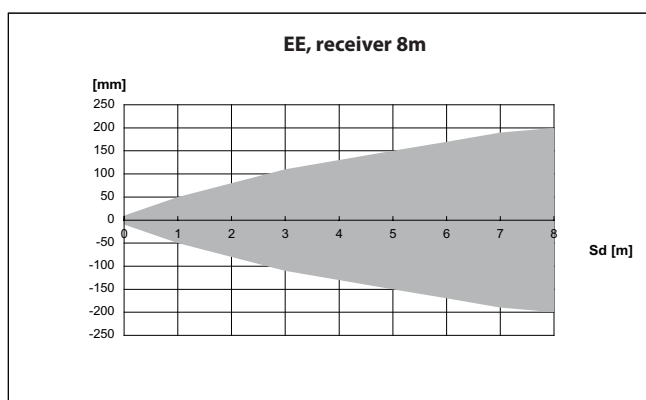
Description **ON18EE-DPTP-08.0-SL**

Article number **6551821001**

### Wiring Diagram



### Typical sensing range



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

Electrical data		
Sensing range	$S_d$	8 m
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	$I_o$	≤ 15 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

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 yellow
Termination type	Plug M12x1, PA
For attachment	Hexagonal nut, stainless steel (Niro 1.4305)

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