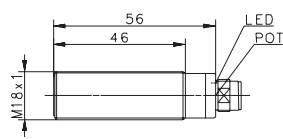
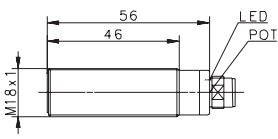
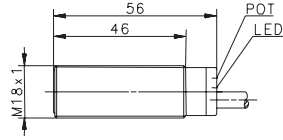
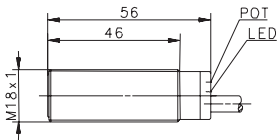


M18		M18			
Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D		
40 mm	40 mm	100 mm	100 mm		
Cable 2 m	Connector M12	Cable 2 m	Connector M12		



6558819001	6558818002	6557819004	6557818002				
OT18FF-DPTP-0040-CL	OT18FF-DPTP-0040-SL	OT18RT-DPTP-0100-CL	OT18RT-DPTP-0100-SL				

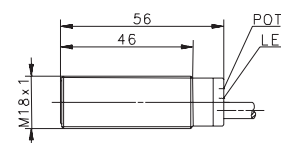
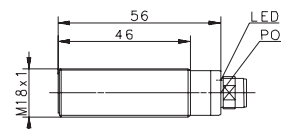
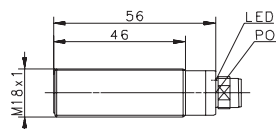
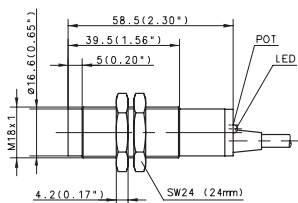
10-36 VDC	10-36 VDC	10-36 VDC	10-36 VDC		
50 mA	50 mA	200 mA	200 mA		
500 Hz	500 Hz	500 Hz	500 Hz		
Cyclic	Cyclic	Cyclic	Cyclic		
LED/-	LED/-	LED/-	LED/-		
-	-	-	-		
IR 880 nm	IR 880 nm	IR 880 nm	IR 880 nm		

-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C		
IP67	IP67	IP67	IP67		
PBT	PBT	PBT	PBT, black		
4 x 0.34 mm ²	M12 x 1	4 x 0.34 mm ²	M12 x 1		



Optoelectronic Sensors (Type M18)

Type	M18	M18	M18	M18
Operating mode	Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D
Sensing range	200 mm	300 mm	300 mm	300 mm
Type of connection	Cable 2 m	Connector M12	Connector M12	Cable 2 m
Special feature				



PNP	Light activated Dark activated Programmable Type	6557819001 OT18RT-DATP-0200-CEL	6557821002 ON18RT-DPTP-0300-SLE	6557816002 OM18RT-DPTP-0300-SLE	6557819005 OT18RT-DPTP-0300-CLE
NPN	Light activated Dark activated Programmable Type	6557219002 OT18RT-DATN-0200-CEL			
Transmitter	Type				
Relay output					
NAMUR					
Analogue	Current output Voltage output				
2-wire	DC AC				

Technical data

Rated operating voltage	U_B	10–36 VDC	10–36 VDC	10–36 VDC	10–36 VDC
Rated operating current	I_B	200 mA	200 mA	200 mA	200 mA
Switching frequency (max)	F	> 250 Hz	500 Hz	500 Hz	500 Hz
Short circuit-protection		Cyclic	Cyclic	Cyclic	Cyclic
Function/operating voltage indicator		LED/-	LED/-	LED/-	LED/-
Sensitivity adjustable		Yes	Yes	Yes	Yes
Teachable					
Timer function					
Diagnostic function					
Type of light		IR 880 nm	IR 880 nm	IR 880 nm	IR 880 nm

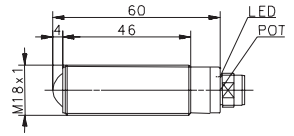
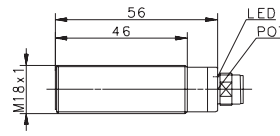
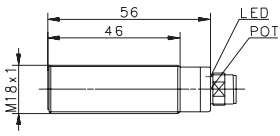
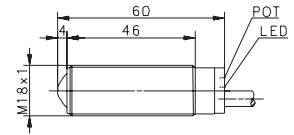
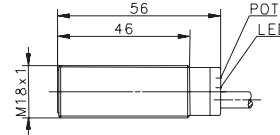
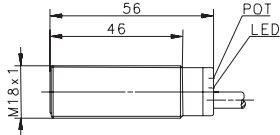
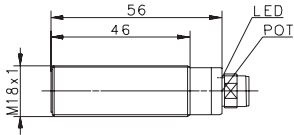
Mechanical data

Ambient temperature (min/max)		-20°C/+80°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
Protection class in accordance with IEC 529, EN 60529		IP65	IP67	IP67	IP67
Enclosure material		PA, red	Stainless steel 1.4305	CuZn39Pb3	PBT
Connection		4 x 0.25 mm ²	M12 x 1	M12 x 1	4 x 0.34 mm ²

Please refer to Accessories for reflectors, mounting brackets, cable couplers and sensor tester.



M18	M18	M18	M18
Diffuse-reflection sensor Type D 300 mm Connector M12	Diffuse-reflection sensor Type D 500 mm Cable 2 m	Diffuse-reflection sensor Type D 500 mm Connector M12	Diffuse-reflection sensor Type D 500 mm Connector M12
			Retro-reflective sensor Type R 2.5 m Cable 2 m Glass lens
			Retro-reflective sensor Type R 2.5 m Connector M12 Glass lens



6557818003 OT18RT-DPTP-0300-SLE	6557817004 OM18RT-DPTP-0500-CLE	6557816006 OM18RT-DPTP-0500-SLE	6557819006 OT18RT-DPTP-0500-CLE	6557818006 OT18RT-DPTP-0500-SLE	6555819003 OT18PS-DPTP-02.5-CLE	6555818001 OT18PS-DPTP-02.5-SLE
6557218005 OT18RT-DPTN-0300-SLE	6557217003 OM18RT-DPTN-0500-CLE					

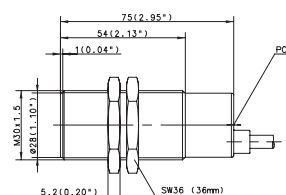
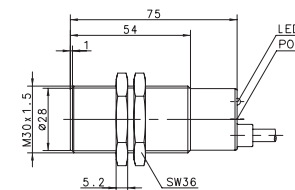
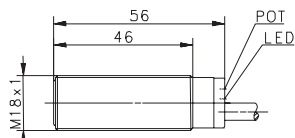
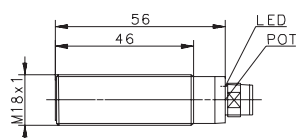
10–36 VDC	10–36 VDC	10–36 VDC	10–36 VDC	10–36 VDC	10–36 VDC	10–36 VDC
200 mA	200 mA	200 mA	200 mA	200 mA	200 mA	200 mA
500 Hz	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
Cyclic	Cyclic	Cyclic	Cyclic	Cyclic	Cyclic	Cyclic
LED/-	LED/-	LED/-	LED/-	LED/-	LED/-	LED/-
Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR 880 nm	IR 880 nm	IR 880 nm	IR 880 nm	IR 880 nm	red 660 nm	red 660 nm

-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
IP67	IP67	IP67	IP67	IP67	IP67	IP67
PBT	CuZn39Pb3	CuZn39Pb3	PBT	PBT	PBT, black	PBT, black
M12 x 1	4 x 0.34 mm ²	M12 x 1	4 x 0.34 mm ²	M12 x 1	4 x 0.34 mm ²	M12 x 1



Optoelectronic Sensors (Type M18, M30)

Type	M18	M18	M30	M30
Operating mode	Through-beam sensor Type T	Through-beam sensor Type T	Diffuse-reflection sensor Type D	Diffuse-reflection sensor Type D
Sensing range	8 m	8 m	200 mm	500 mm
Type of connection	Connector M12	Cable 2 m	Cable 6 m	Cable 2 m
Special feature				



PNP	Light activated Type Dark activated Type Programmable Type	6551821001 ON18EE-DPTP-08.0-SL	6551819001 OT18EE-DPTP-08.0-CL	6557905008 OT30RT-DHTP-0200-6LE	6557005006 OT30RT-DDAP-0500-CE
NPN	Light activated Dark activated Programmable				
Transmitter	Type	6551021001 ON18SE-DO05-08.0-SCV	6551019001 OT18SE-DO05-08.0-CCV		
Relay output					
NAMUR					
Analogue	Current output Voltage output				
2-wire	DC AC				

Technical data

Rated operating voltage	U_B	10–36 VDC	10–36 VDC	10–36 VDC	10–30 VDC
Rated operating current	I_B	200 mA	200 mA	200 mA	–
Switching frequency (max)	F	500 Hz	500 Hz	> 250 Hz	–
Short circuit-protection		Cyclic	Cyclic	Yes	Yes
Function/operating voltage indicator		LED/–	LED/–	LED/–	–/–
Sensitivity adjustable		–	–	Yes	Yes
Teachable					
Timer function					
Diagnostic function					
Type of light		IR 880 nm	IR 880 nm	IR 880 nm	IR 880 nm

Mechanical data

Ambient temperature (min/max)		–20°C/+70°C	–20°C/+70°C	–20°C/+80°C	–20°C/+80°C
Protection class in accordance with IEC 529, EN 60529		IP67	IP67	IP65	IP65
Enclosure material		Stainless steel 1.4305	PBT, black	PA	PA
Connection		M12 x 1	4 x 0.34 mm ²	3 x 0.5 mm ²	3 x 0.5 mm ²

Please refer to Accessories for reflectors, mounting brackets, cable couplers and sensor tester.

