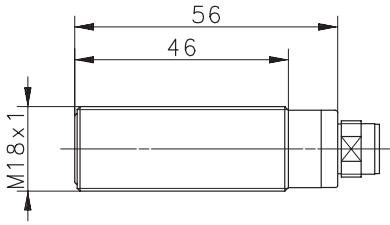
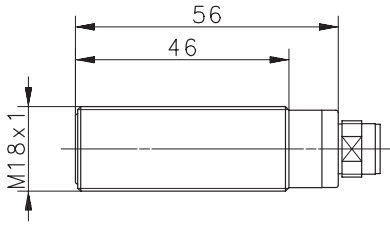
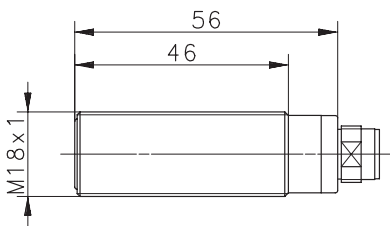
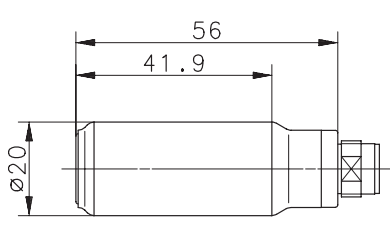
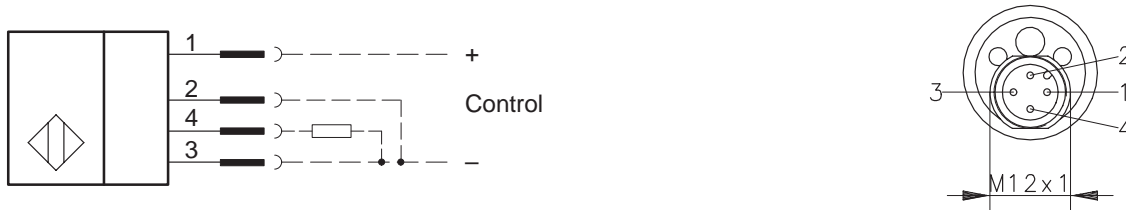


Overview of housings and output functions

	OT18	OM18
		
0 – 20mA	6557018001 OT18RT-DPAP-0200-SE	6557016001 OM18RT-DPAP-0200-SE
4 – 20mA	6557018002 OT18RT-DPAP-0200-SE	6557016002 OM18RT-DPAP-0200-SE
0 – 10V DC	6557018003 OT18RT-DPAP-0200-SE	6557016003 OM18RT-DPAP-0200-SE
	ON18	OZ20
		
0 – 20mA	6557021001 ON18RT-DPAP-0200-SE	6557000002 OZ20RT-DPAP-0200-SE
4 – 20mA	6557021002 ON18RT-DPAP-0200-SE	6557000003 OZ20RT-DPAP-0200-SE
0 – 10V DC	6557021003 ON18RT-DPAP-0200-SE	6557000004 OZ20RT-DPAP-0200-SE
5 – 0V DC		6557000001 OZ20RT-DPAP-0200-SE

Wiring diagram



If the control lead is connected to the + for a short time (0,1 ... 10s), the sensor is adjusted to a lower sensitivity. More specifications about programing are available upon request.

Technical Data

Electrical Data

Operational voltage range	U_B	10 – 30V DC
False polarity protection		yes
Output functions		permanent overload protection, see overview
Voltage drop	U_d	$\leq 2V$
Utilization category		DC-12
Rated insulation voltage	U_i	75V DC
Rated impulse withstand voltage	U_{imp}	500V
Type of protection		IP 67
Pollution degree		3 (Pollution of the optic can cause impairments of the sensing range.)
Ambient air temperature		-5°C ... +70°C
Ambient light proof		10kLux
Sensing range		200mm (adjustable by Control-Input; standard measures panel 100 x 100mm ² white, maximum sensing range)
Repeat accuracy	R	$\leq 1\%$
Reaction time	t_r	< 3ms
Time delay before availability	t_v	< 300ms
No-load supply current	I_0	< 40mA

Elektromagnetic compatibility (EMC)

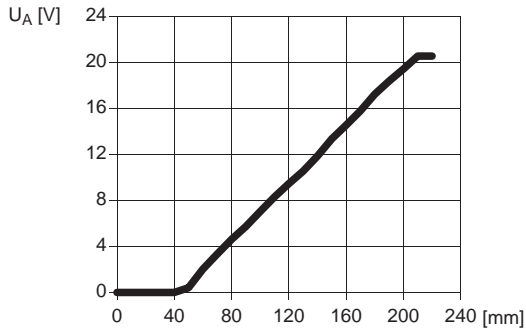
Electromagnetic field test	IEC 61000-4-3	$3^V/m$
Electrostatic discharge test	IEC 61000-4-2	4kV (metallic housing); 8kV (plastic housing)
Electrical fast transient immunity test	IEC 61000-4-4	2kV
Radiated disturbance field strength	EN55011	$\leq 40dB (\mu V/m)$

Materials

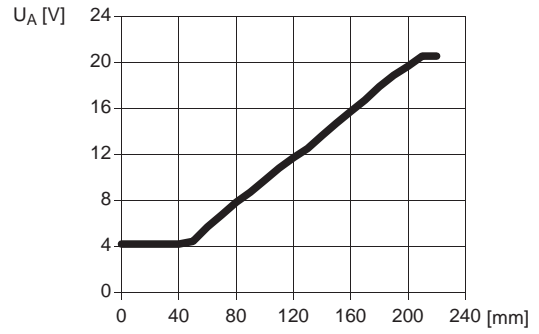
	Type OT	Type OM	Type ON	Type OZ
Housing	PBT, black	Brass, nickel plated	Stainless steel (Niro 1.4305)	
End cap	PA 6.6			
Front cap	PA 12			
M12 connector	PA			
Nut	ABS Hexagonal / Knurled nut	Brass, nickel plated Hexagonal nut	Stainless steel (Niro 1.4305) Hexagonal nut	—

Typical output signals

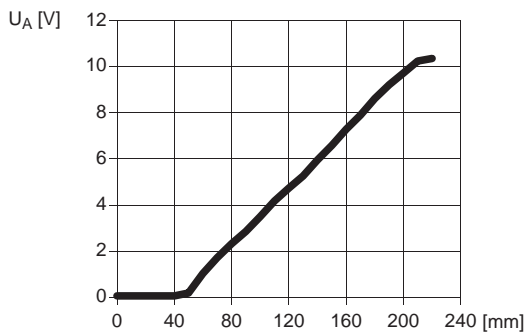
0 – 20mA



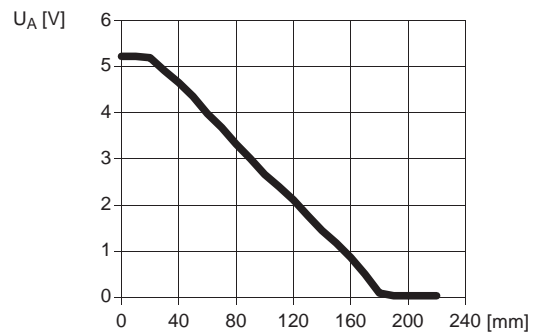
4 – 20mA



0 – 10V DC



5 – 0V DC



Other output signals upon request.