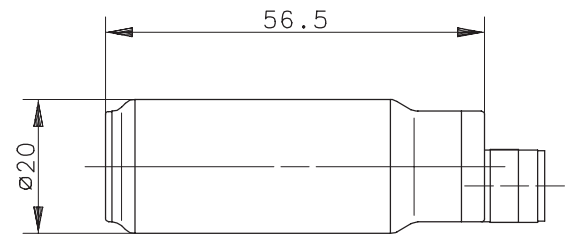
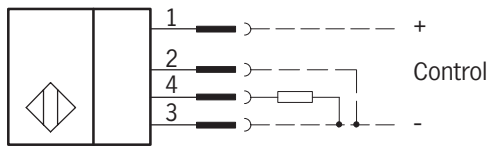


Technische Daten Optoelektronischer Sensor - Analoglichttaster

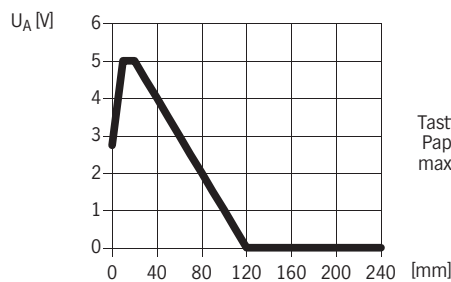
Type: **OZ20RT-DPAP-0150-SE**

Art.-Nr.: **665.7000.001**

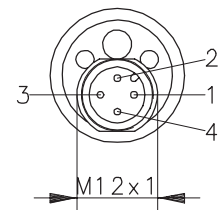
Anschlußschema



Typisches Ausgangssignal



Tastfläche:
Papier, weiß; 100 x 100 mm²
maximale Verstärkung



Kenndaten nach EN 60947-5-2

Elektrische Daten

Betriebsspannung	U_B	10 – 30V DC
Ausgangsspannung	U_{max}	< 5,5V, $R_i = 250\Omega$
Verpolschutz		ja
Ausgang		PNP-Transistor, dauerkurzschlußfest
Leerlaufstrom	I_0	< 40mA
Schutzart		IP 65
Umgebungstemperatur		+5°C bis +50°C
Lgertemperatur		-5°C bis +70°C
Lichtart		infrarot 880nm
Fremdlichtfestigkeit		> 10000Lux
Erfassungsbereich		150mm (mit Control-Input einstellbar)
Ausgangsfunktion		5 ... 0V, analog (siehe Diagramm)
Reaktionszeit	t_r	< 3 ms
Bereitschaftsverzug	t_v	< 300 ms

Materialien

Gehäuse	Niro 1.4305 (V2A)
Lichtaustritt	PA 12
Anschlußart	Steckverbindung, M12x1, 4-polig

Bemerkungen

Durch kurzzeitiges (0,1 ... 10s) Verbinden von Control mit + stellt der Sensor eine neue Verstärkung ein.

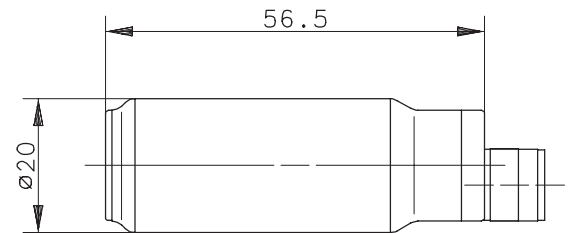
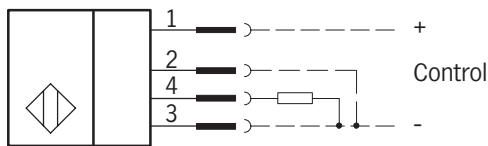
Technical Data

Photoelectric - Analogue Sensor

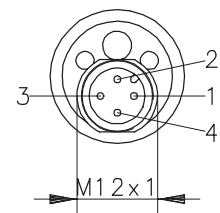
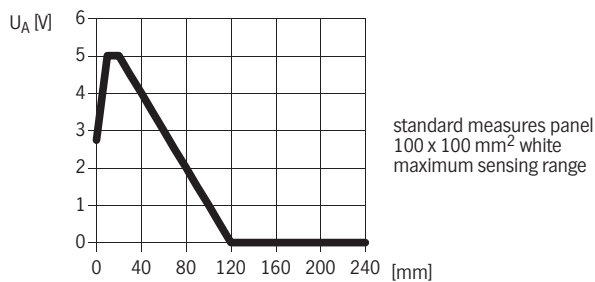
Type: **OZ20RT-DPAP-0150-SE**

Part.-No.: **665.7000.001**

Wiring Diagram



Typical Output Signal



Technical Data according to EN 60947-5-2

Electrical Data

Operational voltage range	U_B	10 – 30V DC
Output		< 5,5V, $R_i = 250\Omega$
False polarity protection		yes
Output		PNP-Transistor, permanent overload protection
No-load supply current	I_0	< 40mA
Type of protection		IP 65
Ambient air temperature		+5°C ... +50°C
Best temperature for storage		-5°C ... +70°C
Lightsource		infrared 880nm
Ambient light proof		> 10000Lux
Sensing range	s_n	150mm (adjustable with Control-Input)
Output function		5 ... 0V, analog (see diagram)
Reaction time	t	< 3 ms
Time delay before availability	t_v	< 300 ms

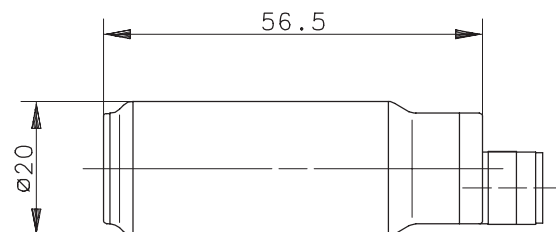
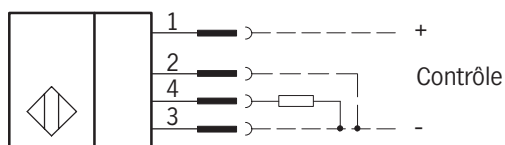
Materials

Housing	stainless steel (Niro 1.4305)
Beam-output	PA 12
Connection	plugsocket, M12 x 1, 4 pole

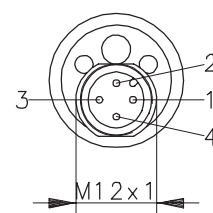
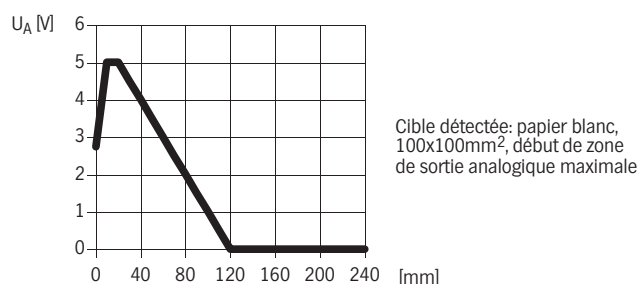
Remarks

If the control lead is connected to the + for a short time (0,1 ... 10s), the sensor is adjusted to a new sensitivity.

Schéma de connection



Signal de sortie typique



Caractéristiques communes selon EN 60947-5-2

Caractéristiques électriques

Tension de service	U_B	10 – 30V DC
Tension de sortie	U_{max}	< 5,5V, $R_i = 250\Omega$
Protection de polarisation		oui
Sortie		PNP-Transistor, protection permanente contre les courts-circuits
Courant à vide	I_0	< 40mA
Degré de protection		IP 65
Température ambiante		+5°C ... +50°C
Température de stockage		-5°C ... +70°C
Longueur d'onde		Infrarouge 880nm
Résistance à la lumière ambiante		> 10000Lux
Portée		150mm (avec entrée de contrôle réglable)
Fonction de sortie		5...0V, analogique (voir diagramme)
Temps de réaction	t_r	< 3 ms
Retard à l'initialisation	t_v	< 300 ms

Matériaux

Boîtier	Inox 1.4305 (V2A)
Embout frontal	PA 12
Mode de raccordement	Connecteur M12x1, 4 pôles

Remarques

Un rapide raccordement (0,1–10s) de l'entrée de contrôle au + de l'alimentation permet de redéfinir le début de zone de sortie analogique.

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