

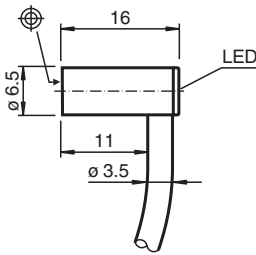
## Inductive sensor

NBB2-6,5S16-E2-Y273690

- Basic series
- Increased operating distance



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.62 mm
Reduction factor $r_{Al}$		0.3
Reduction factor $r_{Cu}$		0.25
Reduction factor $r_{304}$		0.7
Reduction factor $r_{St37}$		1
Reduction factor $r_{Brass}$		0.4
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 5000 Hz
Hysteresis	$H$	$\leq 10 \%$
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2 \text{ V}$
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	$\leq 0.1 \text{ mA}$
No-load supply current	$I_o$	$\leq 10 \text{ mA}$

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## Technical Data

Switching state indicator	LED	
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards	EN IEC 60947-5-2	
<b>Approvals and certificates</b>		
UL approval	cULus Listed, General Purpose	
CCC approval	CCC approval / marking not required for products rated ≤36 V	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)	
<b>Mechanical specifications</b>		
Connection type	cable	
Housing material	Stainless steel 1.4305 / AISI 303	
Sensing face	PA 12	
Degree of protection	IP67	
Cable		
Wire end ferrules	yes	
Material	PVC	
Color	grey	
Number of cores	3	
Core cross section	0.14 mm <sup>2</sup>	
Length	L	2 m
Dimensions		
Length	16 mm	
Diameter	6.5 mm	

## Connection

