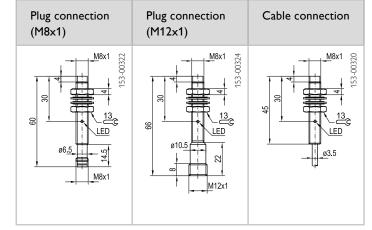
Inductive sensor with expanded switching distance









Sensor data		Functions		
Switching distance	6 mm	Indicator LED, yellow	Switching output indicator	
Repeatability	≤ 0.3 mm			
Reduction factor, Al	0.47			
Reduction factor, Cu	0.44			
Reduction factor,V2A	0.77			
Electrical data		Mechanical data		
Operating voltage, +U <sub>B</sub>	10 30 V DC <sup>1</sup>	Dimensions	See Selection Table	
No-load current, I <sub>o</sub>	≤ 10 mA	Enclosure rating	IP 67 <sup>2</sup>	
Output current, le	≤ 200 mA	Mounting	Non-flush	
Voltage drop, U <sub>D</sub>	≤ 2 V at 200 mA	Material, housing	Brass, chrome-plated	
Protective circuits	Short-circuit protection (Q) / overload protection	Material, front surface	PBTP	
		Type of connection	See Selection Table	
Power On Delay	50 ms	Ambient temperature: operation	-25 +70 °C	
Switching output, Q	PNP / NPN (see Selection Table)	<u>·</u>		
	N.O.			
Output function				

 $^1$  Max. 20 % ripple, within  $\rm U_{\scriptscriptstyle B} = ^2$  With connected IP 67 plug

	Connection plug, 3-pin	e, 3-wire
$\begin{array}{ c c c c c } \hline \\ \hline $		

Switching distance	Switching output	Dimensions	Type of connection	Part number	Article number
6 mm	PNP	M8 x 60 mm	Plug, M8×1, 3-pin	IS 58-14-S	996-51456
6 mm	NPN	M8 x 60 mm	Plug, M8x1, 3-pin	IS 58-13-S	996-51470
6 mm	PNP	M8 x 66 mm	Plug, M12x1, 4-pin	IS 58-44-S	996-51460
6 mm	NPN	M8 x 66 mm	Plug, M12x1, 4-pin	IS 58-43-S	996-51463
6 mm	PNP	M8 x 45 mm	Cable, 3-wire	IS 58-04-S	996-51461
6 mm	NPN	M8 x 45 mm	Cable, 3-wire	IS 58-03-S	996-51465