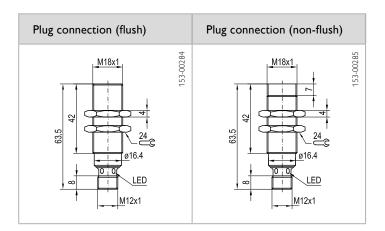
Inductive sensor with expanded switching distance

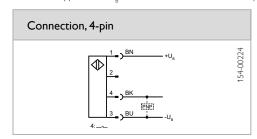


CE



Sensor data		Functions		
Switching distance ¹	10 mm	Indicator LED, yellow	Switching output indicator	
Switching distance ²	20 mm			
Repeatability ¹	0.5 mm ⁴			
Repeatability ²	1 mm⁴			
Hysteresis	≤ 15 % ⁵			
Reduction factor, Al ³	1.00 / 1.00			
Reduction factor, Cu ³	0.80 / 0.90			
Reduction factor, V2A 1 mm thick ³	0.50 / 0.30			
Reduction factor, V2A 2 mm thick ³	0.90 / 0.60			
Reduction factor, steel FE 360 ³	1.00 / 1.00			
Reduction factor, brass ³	1.20 / 1.35			
Electrical data		Mechanical data		
Operating voltage, +U _B	10 30V DC ⁶	Dimensions	M18 × 63,5 mm	
No-load current, In	≤ 10 mA	Mounting	Flush / non-flush	
Operating current, I,	≤ 200 mA		(see Selection Table)	
Voltage drop, U _D	≤ 2 V at 200 mA	Enclosure rating	IP 69K & IP 68 ⁷	
Protective circuits	Reverse-polarity protection, U _R / short-cir-	Material, housing Material, front surface	Stainless steel,V2A	
	cuit protection (Q) / induction protection		Stainless steel,V2A	
Switching output, Q	PNP	Type of connection	See Selection Table	
0	N.O.	Ambient temperature: operation	-25 +70 °C	
Output function				

 $^{^1}$ Flush devices 2 Non-flush devices 3 Flush / non-flush devices 4 U $_{\rm B}$ = 20 ... 30 V DC, T $_{\rm A}$ = 23 °C \pm 5 °C 5 Refers to switching distance 6 Max, 20 % ripple, within U $_{\rm B}$ 7 With connected IP 68 / IP 69K plug



Switching distance	Mounting	Switching output	Type of connection	Part number	Article number
10 mm	Flush	PNP	Plug, M12x1, 4-pin	IT 18 BM-PSL4	996-51482
20 mm	Non-flush	PNP	Plug, M12x1, 4-pin	IT 18 NBM-PSL4	996-51483