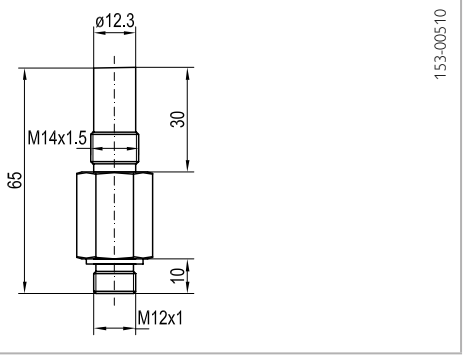
IS 514

Inductive sensor, high-pressure immunity with stainless steel housing



CE

Plug connection



Sensor data

Switching distance	3 mm
Hysteresis	~ 10 %
High-pressure immunity: maximum	1000 bar
High-pressure immunity: operation	500 bar
Temperature drift	≤ 15 %
Reduction factor, Al	0.40
Reduction factor, Cu	0.35
Reduction factor, V2A	0.66

Electrical data

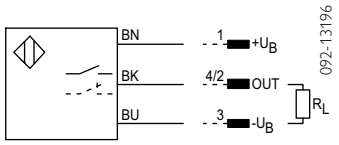
Operating voltage, $+U_B$	10 … 30 V DC
No-load current, I_0	≤ 15 mA
Output current, Ie	≤ 250 mA
Voltage drop, U_D	≤ 2 V at 200 mA
Protective circuits	Reverse-polarity protection, U_B / short-circuit protection (Q)
Power On Delay	10 ms
Switching output, Q	PNP
Output function	N.O.
Switching frequency, f (ti/tp 1:1)	≤ 500 Hz

Mechanical data

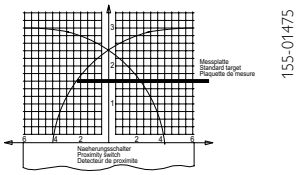
Dimensions	M14 x 65 mm
Mounting	Flush
Enclosure rating	IP 68[1]
Material, housing	Stainless steel, V2A
Material, front surface	Al_2O_3
Type of connection	See Selection Table
Ambient temperature: operation	-25 … +85 °C
Weight (plug device)	125 g

[1] With connected IP 68 plug

Connection, 4-pin



Response curve



Switching distance	Switching output	Type of connection	Part number	Article number
3 mm	PNP	Plug, M12x1, 4-pin	IS 514-42	996-51193