Dietz Sensortechnik

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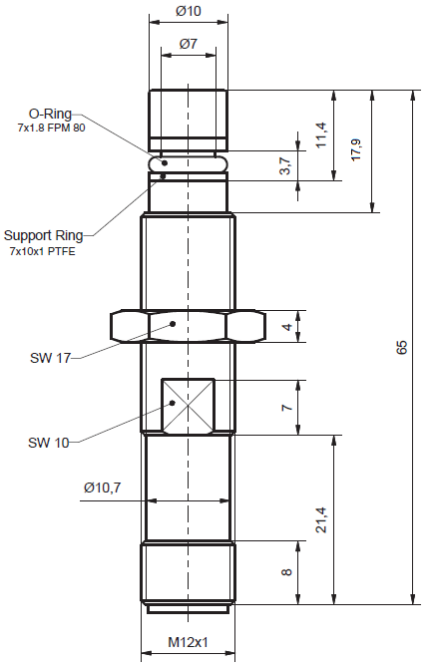
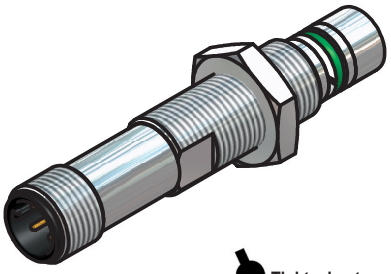
- **Oil pressure resistant up to 500 bar**
- **High-temperature range -40 °C ... +110 °C**
- **Length pressure resistant area 17.9 mm**

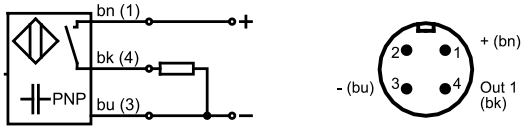
Dimensions





Tightening torque max. 10 Nm
Connector max. 8 Nm

Connection diagram / Pin configuration



General data

Installation		flush mountable
Nominal sensing distance S_n	mm	2,0
Effective operating distance S_r	%	± 10
Assured operating distance S_a	mm	0...1,6 mm
Repeatability	%	≤ 5
Hysteresis	%	≤ 15
Temperature drift	%	≤ 10
Ambient temperature range	°C	-40...+110

Mechanical data

Dimensions Sensor (diameter x length)	mm	M12x1 x 65
Housing material		Stainless steel
Material active face		Stainless steel
Pressure resistance (oil)	bar	≤ 500
Enclosure rating		IP 69K
Connection		Connector M12 4-pin

Electrical data

Current		DC
Wiring		3-wire
Switching output		PNP
Type of switch		Normally Open
Rated supply voltage	V	24 DC
Operating voltage	V	6...35 DC
Residual ripple	%	≤ 10
Switching frequency	Hz	400
Output current max.	mA	200
No-load current	mA	≤ 13
Off-state current	mA	≤ 0,01
Voltage drop	V	≤ 2,4
Overload protection		yes
Short-circuit protection		yes
Polarity protection		yes

Type: IHP-2,0-12BPS-ST4/17,9

Datenblatt INS-IHP-2.2-02