



**Electrical data:**

Connection	Connector S4 (M12)
Rated operational voltage (Ue)	24 DC V
Load current capacity (Ie)	200 mA
Time delay before availability	50 ms
Electrical type	DC
Utilization category	DC 13
Hysteresis max (H)	10 %
No-load supply current damped	= 10 mA
No-load supply current undamped	10 mA
Off-state current max (I <sub>r</sub> )	100 µA
Ripple max. of U <sub>e</sub>	20 %
Switching output	PNP
Switching element function	NO
Operating frequency (f)	500 Hz
Voltage drop max. static	2 V
Supply voltage max. (U <sub>b</sub> )	30 V
Supply voltage min. (U <sub>b</sub> )	10 V

**Mechanical data:**

Number of Wires	3-wire
Tightening torque	25 Nm
Rated operating distance (sn)	12 mm
Diameter	M18x1 mm
Assured operating distance	0...9,6 mm
Mounting	quasi flush mountable
Ambient temperature max	+70 °C
Ambient temperature min	-25 °C
Degree of pollution	3
Sensing face material	PBTP
Housing material	CuZn, chrome plated
Repeat accuracy max. (R)	= 5 %

**General data:**

Special Duty	Extended Sensing Range
Output indication	yes
Short circuit protected	yes
Degree of protection IP	IP67
Protected against polarity reversal	yes
Approval	CE

**wiring**



**Pinout**

