

Part Number



- Increased switching distance
- Innovative ASIC circuit technology
- Integrated error display
- Minimal mounting clearance thanks to wenglor weproTec

Technical Data

Inductive Data

Switching Distance	20 mm
Correction Factors Stainless Steel V2A/CuZn/Al	0,92/0,47/0,46
Mounting	non-flush
Mounting A/B/C/D in mm	24/60/60/20
Mounting B1 in mm	2...40
Switching Hysteresis	< 10 %

Electrical Data

Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 11 mA
Switching Frequency	380 Hz
Temperature Drift	< 10 %
Temperature Range	-40...80 °C
Switching Output Voltage Drop	< 1 V
Switching Output/Switching Current	150 mA
Residual Current Switching Output	< 100 µA
Short Circuit Protection	yes
Reverse Polarity and Overload Protection	yes
Protection Class	III

Mechanical Data

Housing Material	CuZn, nickel-plated
Degree of Protection	IP67
Connection	Cable, 4-wire, 2 m
Cable Jacket Material	PVC

Safety-relevant Data

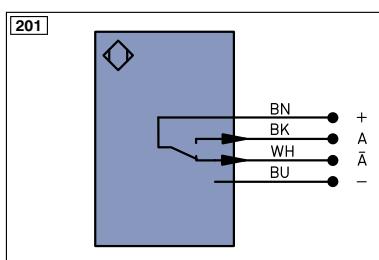
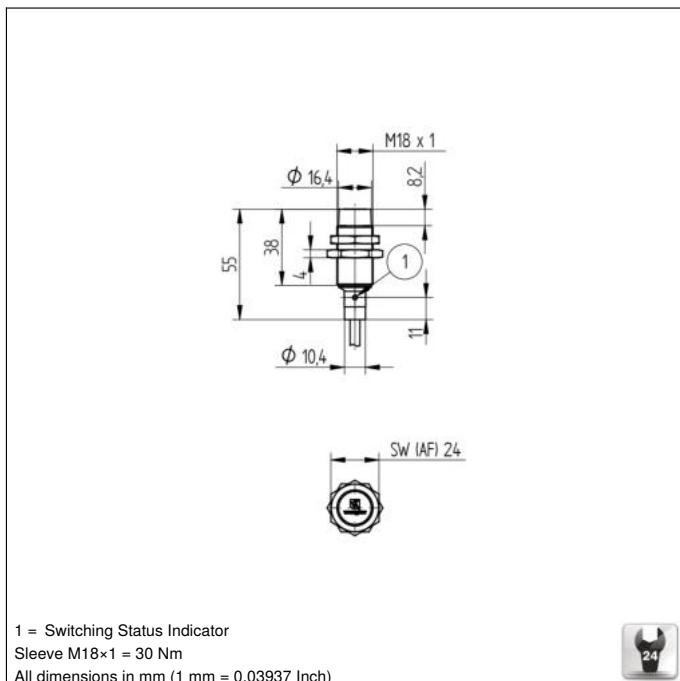
MTTFd (EN ISO 13849-1)	3706,54 a
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Function

Error Indicator	yes
PNP NO/NC antivalent	●
Connection Diagram No.	201
Suitable Mounting Technology No.	150

* Temperature range with permanently installed cable, bending radius: > 40 mm

Inductive Sensors with increased switching distances are distinguished by rugged design, easy installation and reliable measured values. The large range makes additional types of sensor superfluous because they can also be used to implement special applications. In addition to error-free operation of several sensors in a very small space, the new generation also provides the possibility of detecting system errors before it's too late thanks to ASIC und wenglor weproTec.


Legend

+	Supply Voltage +	PT	Platinum measuring resistor
-	Supply Voltage 0 V	nc	not connected
~	Supply Voltage (AC Voltage)	U	Test Input
A	Switching Output (NO)	Ü	Test Input inverted
Ä	Switching Output (NC)	W	Trigger Input
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input
Ü	Contamination/Error Output (NC)	O	Analog Output
E	Input (analog or digital)	O-	Ground for the Analog Output
T	Teach Input	BZ	Block Discharge
Z	Time Delay (activation)	Awv	Valve Output
S	Shielding	a	Valve Control Output +
		b	Valve Control Output 0 V
RxD	Interface Receive Path	SY	Synchronization
TxD	Interface Send Path	SY-	Ground for the Synchronization
RDY	Ready	E+	Receiver-Line
GND	Ground	E-	Emitter-Line
CL	Clock	±	Grounding
E/A	Output/Input programmable	SnR	Switching Distance Reduction
	IO-Link	Rx+/-	Ethernet Receive Path
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)
OSD	Safety Output	La	Emitted Light disengageable
Signal	Signal Output	Mag	Magnet activation
BL-D	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
EN0RS422	Encoder 0-pulse 0-0 (TTL)	EDM	Contactor Monitoring
Wire Colors according to IEC 60757			
EN0RS422	Encoder A/Ä (TTL)	BK	Black
EN0RS422	Encoder B/ß (TTL)	BN	Brown
EN0RS422	Encoder A	RD	Red
EN0RS422	Encoder B	OG	Orange
AMIN	Digital output MIN	YE	Yellow
AMAX	Digital output MAX	GN	Green
AOK	Digital output OK	BU	Blue
SY IN	Synchronization IN	VT	Violet
SY OUT	Synchronization OUT	GY	Grey
OLT	Brightness output	WH	White
M	Maintenance	PK	Pink
rsv	reserved	GNYE	Green/Yellow

Mounting
