

**3-Wire High Temperature  
3-Leiter Hochtemperatur**

shielded  
bündig  
M30×1.5 | 20 mm



standard  
150 °C · 302 °F

shielded  
bündig  
M30×1.5 | 20 mm

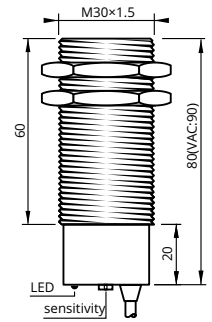
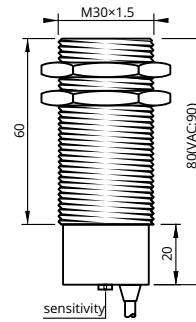
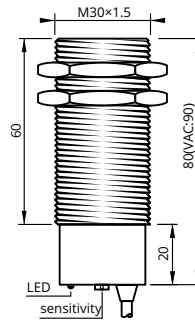


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standard  
150 °C · 302 °F



Sensing Distance	Schaltabstand	20 mm	20 mm	20 mm
Max Temperature	Maximaltemperatur	150 °C · 302 °F	150 °C · 302 °F	150 °C · 302 °F
Housing Size	Gehäusegröße	M30×1.5	M30×1.5	M30×1.5
Operating Voltage	Betriebsspannung	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
Reverse Polarity Protection	Verpolungsschutz	built-in integriert	built-in integriert	built-in integriert
Current Consumption	Stromverbrauch	<8 mA	<8 mA	<8 mA
Current Load Capability	Ausgangsbelastbarkeit	200 mA	200 mA	200 mA
Short Circuit Protection	Kurzschlusschutz	built-in integriert	built-in integriert	built-in integriert
Voltage Drop	Spannungsabfall	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA
Switching Frequency	Schaltfrequenz	50 Hz	50 Hz	50 Hz
Adjustment	Einstellung	multi turn pot. Mehrgangpoti	multi turn pot. Mehrgangpoti	multi turn pot. Mehrgangpoti
Repeatability	Wiederholgenauigkeit	<10 % (S <sub>n</sub> )	<10 % (S <sub>n</sub> )	<10 % (S <sub>n</sub> )
Hysteresis	Hysterese	8...15 %	8...15 %	8...15 %
Operating Temperature	Betriebstemperatur	-25...+150 °C	-25...+150 °C	-25...+150 °C
Protection Class	Schutzklasse	IP 67	IP 67	IP 67
Sensing Face	Sensorfläche	PTFE	PTFE	PTFE
Housing Material	Gehäusewerkstoff	brass Messing	brass Messing	brass Messing
Connection	Anschluss	silicone Silikon	silicone Silikon	PTFE
Switching Indicator	Schaltanzeige	built-in* integriert*		built-in* integriert*
Article Code PNP, NO	—/—	CHH30S20BPO80-A2S	CHH30S20BPO80-N2S	CHH30S20BPO80-A2T
Article Code PNP, NC	—/—	CHH30S20BPC80-A2S	CHH30S20BPC80-N2S	CHH30S20BPC80-A2T
Article Code NPN, NO	—/—	CHH30S20BNO80-A2S	CHH30S20BNO80-N2S	CHH30S20BNO80-A2T
Article Code NPN, NC	—/—	CHH30S20BNC80-A2S	CHH30S20BNC80-N2S	CHH30S20BNC80-A2T

shielded  
bündig  
M30×1.5 | 20 mm



standard  
150 °C · 302 °F

unshielded  
nicht bündig  
M30×1.5 | 30 mm



standard  
150 °C · 302 °F

unshielded  
nicht bündig  
M30×1.5 | 30 mm



standard  
150 °C · 302 °F

unshielded  
nicht bündig  
M30×1.5 | 30 mm

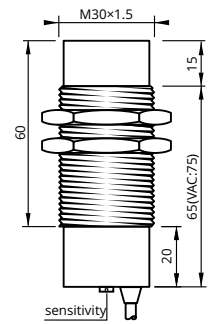
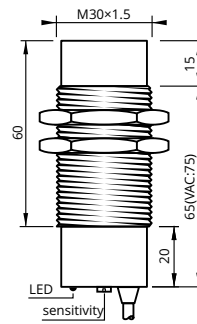
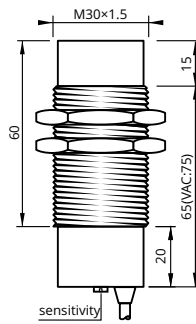
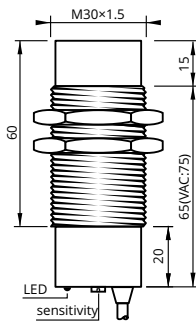
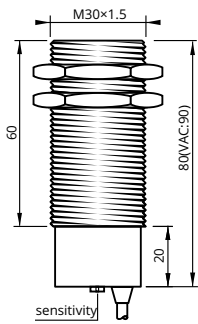


standard  
150 °C · 302 °F

unshielded  
nicht bündig  
M30×1.5 | 30 mm



standard  
150 °C · 302 °F



20 mm	30 mm	30 mm	30 mm	30 mm
150 °C · 302 °F	150 °C · 302 °F	150 °C · 302 °F	150 °C · 302 °F	150 °C · 302 °F
M30×1.5	M30×1.5	M30×1.5	M30×1.5	M30×1.5
10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA	<2 V @ 200 mA
50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
multi turn pot. Mehrgangpoti	multi turn pot. Mehrgangpoti	multi turn pot. Mehrgangpoti	multi turn pot. Mehrgangpoti	multi turn pot. Mehrgangpoti
<10 % (S <sub>n</sub> )	<10 % (S <sub>n</sub> )	<10 % (S <sub>n</sub> )	<10 % (S <sub>n</sub> )	<10 % (S <sub>n</sub> )
8...15 %	8...15 %	8...15 %	8...15 %	8...15 %
-25...+150 °C	-25...+150 °C	-25...+150 °C	-25...+150 °C	-25...+150 °C
IP 67	IP 67	IP 67	IP 67	IP 67
PTFE	PTFE	PTFE	PTFE	PTFE
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
PTFE	silicone Silikon	silicone Silikon	PTFE	PTFE
	built-in* integriert*		built-in* integriert*	
CHH30S20BPO80-N2T	CHH30N30BPO80-A2S	CHH30N30BPO80-N2S	CHH30N30BPO80-A2T	CHH30N30BPO80-N2T
CHH30S20BPC80-N2T	CHH30N30BPC80-A2S	CHH30N30BPC80-N2S	CHH30N30BPC80-A2T	CHH30N30BPC80-N2T
CHH30S20BNO80-N2T	CHH30N30BNO80-A2S	CHH30N30BNO80-N2S	CHH30N30BNO80-A2T	CHH30N30BNO80-N2T
CHH30S20BNC80-N2T	CHH30N30BNC80-A2S	CHH30N30BNC80-N2S	CHH30N30BNC80-A2T	CHH30N30BNC80-N2T

Minor changes possible  
Geringfügige Änderungen möglich