

Approved for up to 135 °C, the highest on the market

INDUCTIVE HIGH TEMPERATURE SENSORS IN Ø 5 MM HOUSING FOR TIGHT SPACES

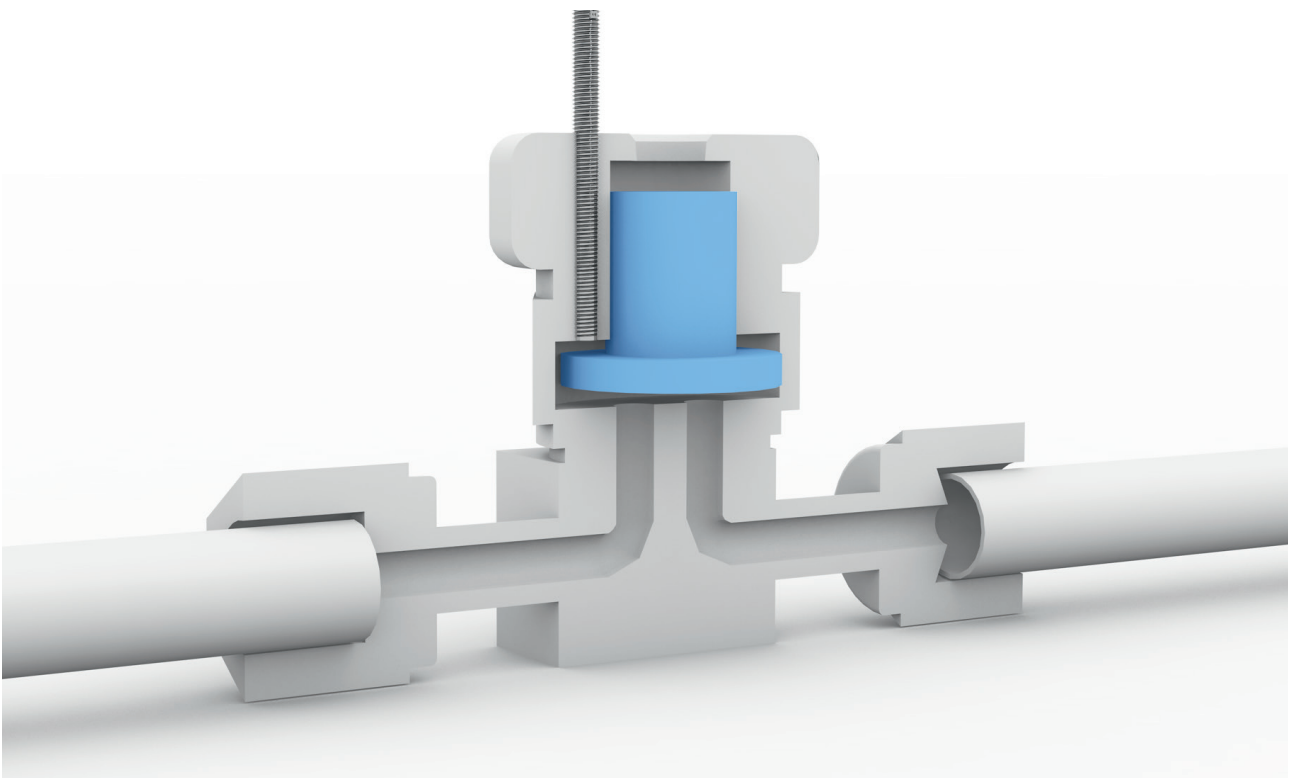
Our miniature inductive sensors in the Ø 5 mm housing can now be used at even higher temperatures. Uniquely on the market, they are approved to operate at ambient temperatures up to 135 °C. Housing lengths either of 27 mm or 42 mm can be selected to meet your installation requirements.

These sensors are especially suited for the semiconductor sectors. They withstand a pressure of up to 10 bar. Their oil- and temperature-resistant silicone cables are connected to the housing using a new type of crimping that makes the sensors watertight up to IP67.

The operating and switching state can be seen at any time from the LED on the transparent connector. You always know the status of the sensor even when the installation site of the sensor itself is hidden.

Features

- Unique: for operating temperatures up to 135 °C
- Oil pressure rated up to 10 bar
- Ideal in the semiconductor industry
- LED in connector shows power and switching state
- Sensor and connector both IP67



TEMPERATURE-RATED
INDUCTIVE SENSORS



27 MM HOUSING	PNP NORMALLY OPEN	BES05RN	BES05RP	BES05RR	BES05RT
	NPN NORMALLY OPEN	BES05RJ	BES05RK	BES05RL	BES05RM
42 MM HOUSING	PNP NORMALLY OPEN	BES05RF		BES05RH	
	NPN NORMALLY OPEN	BES05RC		BES05RE	
Style		M5 × 0.5	M5 × 0.5	M5 × 0.5	M5 × 0.5
Installation		For flush mounting	For flush mounting	For flush mounting	For flush mounting
Range		0.8 mm	0.8 mm	0.8 mm	0.8 mm
Switching frequency		1.5 kHz	1.5 kHz	1.5 kHz	1.5 kHz
Housing material		Stainless steel 1.4104	Stainless steel 1.4104	Stainless steel 1.4104	Stainless steel 1.4104
Material sensing surface		Ceramic	Ceramic	Ceramic	Ceramic
Connection		1 m silicone cable with M8 connector	2 m silicone cable	5 m silicone cable	10 m silicone cable
Operating voltage U_B		10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
Ambient temperature		0...135 °C	0...135 °C	0...135 °C	0...135 °C
IP rating		IP67	IP67	IP67	IP67
Approval/conformity		CE, EAC, cULus	CE, EAC, cULus	CE, EAC, cULus	CE, EAC, cULus

ACCESSORIES



	BAM0097	BAM0098		
Description	Mounting block for M5 sensors, PA 6, 17 × 12 × 9 mm	Mounting block for M5 sensors, PA 6, 16 × 12 × 20 mm		

CONNECTIVITY



	BCC02M8	BCC02MA	BCC02ML	BCC02R7
Cable	PUR black, 2 m, drag chain compatible	PUR black, 10 m, drag chain compatible	PUR black, 2 m, drag chain compatible	PUR black, 1 m, drag chain compatible
Connection 1	M8-female, straight, 3-pin, A-coded	M8-female, straight, 3-pin, A-coded	M8-female, angled, 3-pin, A-coded	M8-female, straight, 3-pin, A-coded
Connection 2				M8-male, straight, 3-pin, A-coded