

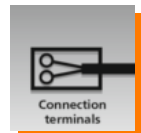


Valve feedback in ATEX zones



Intrinsically safe valve open/closed sensor for ATEX areas

- Easy access terminal chamber
- Removable terminal block for easy wiring
- Robust and resistant housing
- Permanently legible lasered type label
- Actuator interface connection: M20 x 1 connector or M12 connector



Direct fit on valve actuators

Two sensors built-in; one sensor provides a signal when the valve is open, the other when it is closed. These type IND inductive sensors are intrinsically safe and consist of two inductive sensors in a potted and robust housing with IP 67 protection rating. They are equipped with connection for solenoids.

Fast and easy connection

The solenoid connection is optionally a standardised M20 x 1 connector or an M12 connection. The terminal chamber is easy to open and close. Since the terminal block can be removed, no new wiring is required if the sensor is replaced. The units are approved to ATEX categories 1D/1G and 2G.








Position sensors

Feedback systems for valves and valve actuators






Connection sensor / valve	U _b [V]	Ambient temperature [°C]	Output function	Protection class	Protection	Order no.
2 x 2-wire Namur						
M20 x 1.5 / M20 x 1.5	8.2 DC	-25...70	2 x NC	III	IP65, IP67	NN504A
M20 x 1.5 / M12	8.2 DC	-25...70	2 x NC	III	IP65, IP67	NN505A

Accessories

Type	Description	Order no.
	Switching amplifier, dual channel, transistor	N0534A
	Switching amplifier, dual channel, relay	N0533A
	Switching amplifier, dual channel, optocoupler	N0532A
	Target puck, Ø 53 mm	E17320
	Target puck, Ø 65 mm	E17327
	Target puck, Ø 102 mm	E17328
	Plug for covering the oblong holes, EPDM	E12212
	Screw plugs, PA 6.6	E12209
	Cable gland, M20 x 1.5, PA 6.6	E12208

Marking of the unit	Approval
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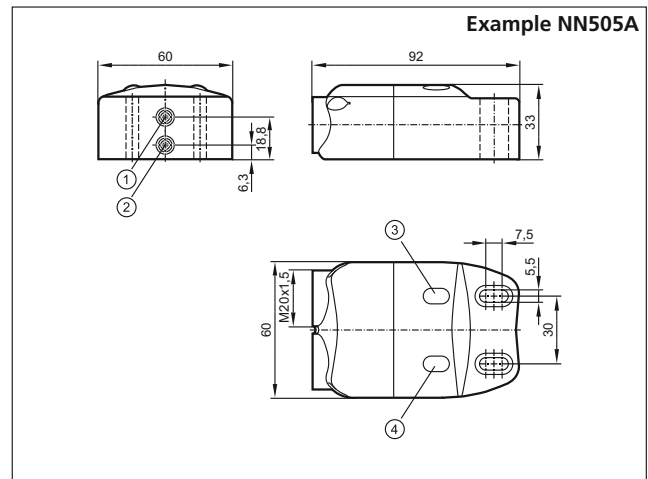
 II 1G Ex ia IIB T4 Ga Ta: -25...70 °C
 II 2G Ex ia IIC T4 Gb Ta: -25...70 °C
 II 1D Ex ia IIIB T135 °C Da Ta: -25...70 °C

BVS 14 ATEX E 005 X
IECEx BVS 14.0005X

Further technical data		
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Switching frequency	[Hz]	500
Sensing range	[mm]	4
Electrical design	Wiring to certified intrinsically safe circuits with the max. values: U _i = 15 V / I _i = 50 mA / P _i = 120 mW	
Housing material	PA	

Dimensions



- 1) Sensor 1
- 2) Sensor 2
- 3) LED OUT 2
- 4) LED OUT 1