



Safety sensor 122

The M12 safety sensor is small, flexible, robust and safe, making it ideal for use within the process areas of industrial machines.

Technical specifications

- Available connection types: cable outlet and M8 pigtail
- Plastic housing M12 x 46 mm

Technical drawing

IMAGE 1/3

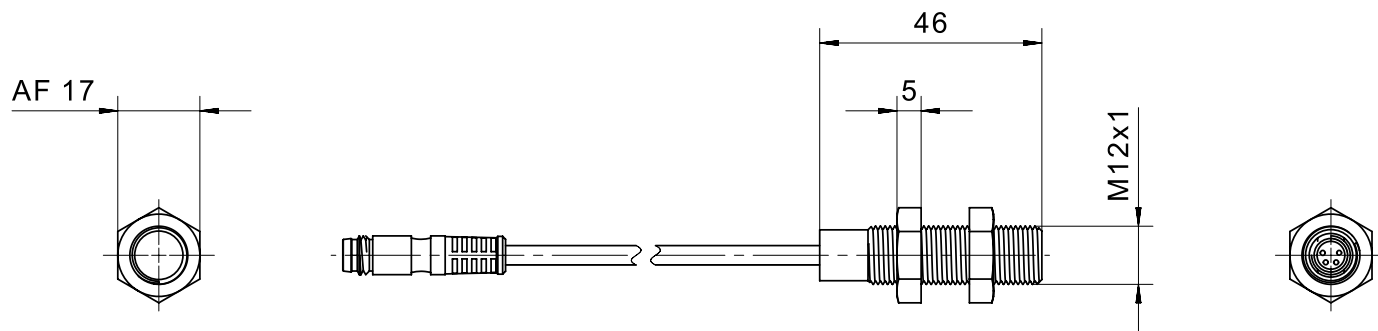
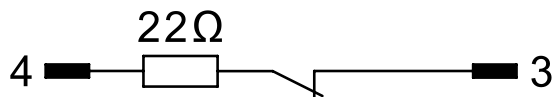
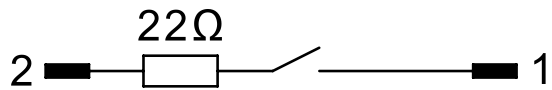


IMAGE 2/3

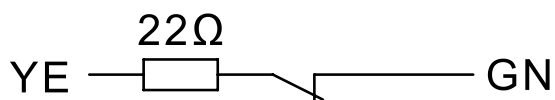
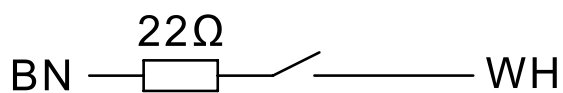


IMAGE 3/3

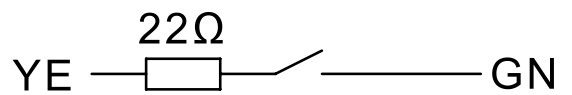
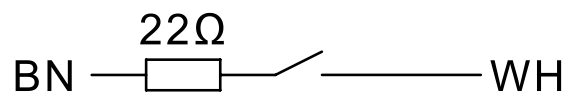
12227102



122271

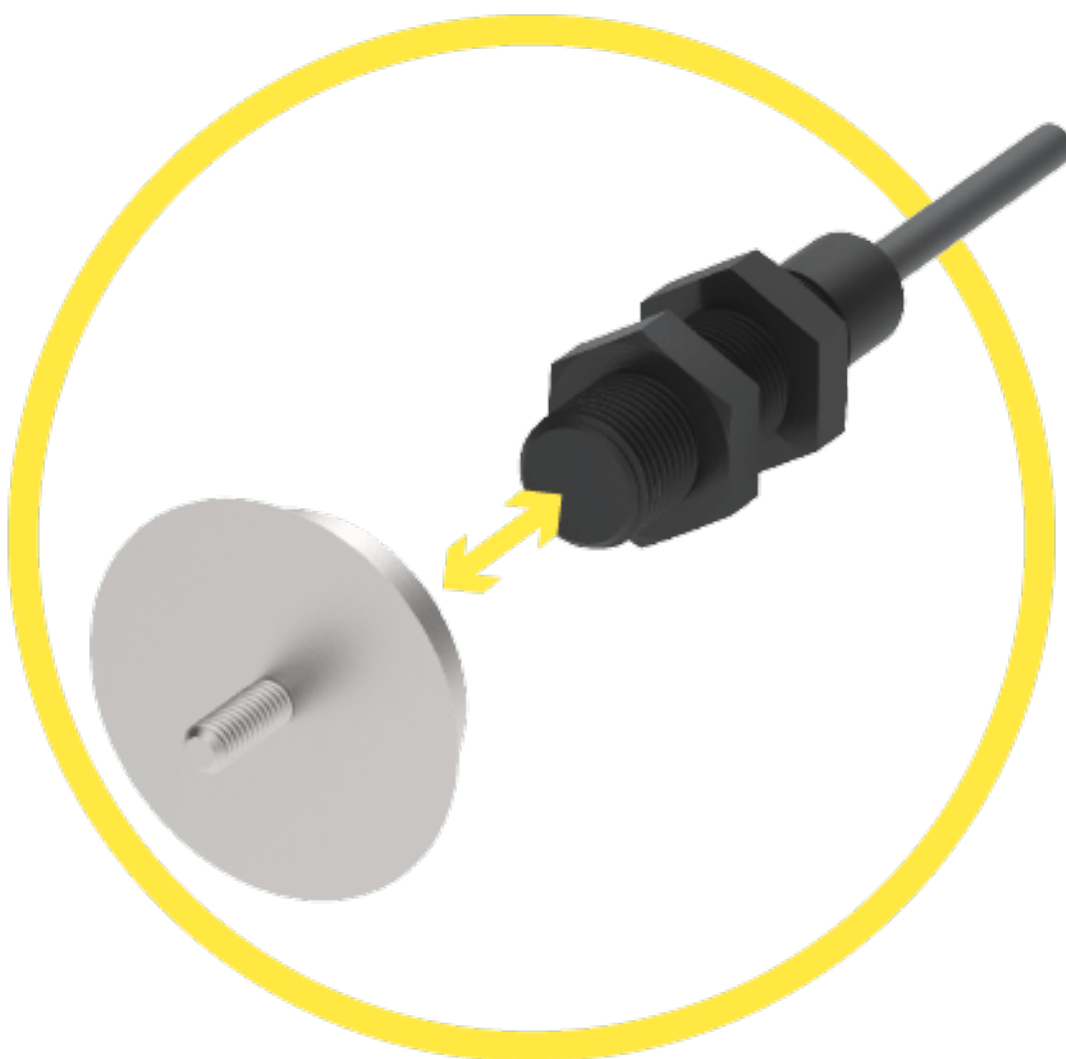


122V62



Product options

IMAGE 1/3



Suitable for front actuation. Offset depending on magnet system: max. 8 mm to 10 mm. Operating distance (Sao) 7 to 15 mm. Assured switch-off distance (Sar) 20 to 37 mm.

IMAGE 2/3

ORDERING KEY

	122V62	122271	12227102
Plastic housing M12	X	X	X
M12x1 connector, 4-pin, plastic	-	-	-
M8x1 pigtail and connector, 4-pin	-	-	X
Connection cable 1m*	X	X	-
N.O./N.O. contacts	X	-	-
N.O./N.C. contacts	-	X	X
Coded	-	-	-
Uncoded	X	X	X

* Other cable lengths, cable materials and connector types on request

IMAGE 3/3

MATCHING ACTUATORS

Actuators	Actuation direction	122V62			122271			12227102				
		S _{0 min}	S _{ao}	S _{ar}	S _{0 min}	S _{ao}	S _{ar}	S _{0 min}	S _{ao}	S _{ar}		
324 795	Front	0.5	7	20	-	-	-	-	-	-		
300 785		-	-	-	0.5	15	37	0.5	15	37		

Article characteristics

Attribute	122V62	12227102	122270	122271	ED122V62	ED122270 ▶
Min. switching voltage	19.2 V DC				-	-
Max. switching voltage	28.8 V DC				-	-
Max. switching current	0.1 A				-	-
Max. switching power	3 W		-	3 W	-	-
Switching frequency	5 Hz		-	5 Hz	-	-
Assured switching distance (Sao)	7 mm	15 mm	20 mm	15 mm	-	-
Assured switch-off distance (Sar)	20 mm	37 mm	40 mm	37 mm	-	-
Minimum switching distance (S0 min)	0.5 mm				-	-
LED display	No				-	-
Actuation	front				-	-
Switching principle	magnetic				-	-
Series resistor	22 Ohm				-	-
Technology	Reed				-	-
Contact form	NO/NO	NO/NC			-	-
Pollution degree	3		-	3	-	-
Protection class	III		-	III	-	-
Coding acc. to EN ISO 14119	Low				-	-
B10d acc. to EN ISO 13849-1	20000000				-	-
Type acc. to EN ISO 14119	3		4	3	-	-
Mission time in years	20 a				-	-
Structure acc. to EN ISO 13849-1	Two-channel				-	-
Housing design	cylindrical				-	-
Dimensions	M12 x 46 mm				-	-
cannot be mounted flush	yes				-	-
Detent present	no				-	-
Housing material	PBT				-	-
Cable material	PVC				-	-
Nut material	PBT		-	PBT	-	-
Housing colour	schwarz				-	-

Attribute	122V62	12227102	122270	122271	ED122V62	ED122270 ▶
Protection class	IP67 / IP69K DIN EN 60529	IP67 DIN EN 60529			-	
Protection class, connector	-	IP67 DIN EN 60529 (screwed) - IP65 DIN EN 60529 (plugged)	-			
Operating temperature min.	-25 °C				-	
Max. operating temperature	75 °C				-	
Min. cable temperature range, moving	-5 °C	-25 °C	-	-5 °C	-	
Max. cable temperature range, moving	70 °C	90 °C	-	70 °C	-	
Min. cable temperature range, fixed installation	-25 °C		-	-25 °C	-	
Max. cable temperature range, fixed installation	70 °C	90 °C	-	70 °C	-	
Shock resistance (Norm)	30g / 11ms		-	30g / 11ms	-	
Vibration resistance (Norm)	10 - 55Hz		-	10 - 55Hz	-	
Min. storage temperature	-25 °C				-	
Max. storage temperature	75 °C				-	
Mounting type	Fastening nut				-	
Thread	M12				-	
Connector type	-	M8x1 - 4 polig	-			
Cable length	1 m	0.1 m	1 m		-	
Number of strands	4				-	
Wire cross section	0.25 mm²				-	
Cable type	-		LIYY 4 x 0,25 mm	-		
CE label	yes				-	
Possible actuators	324795	300785	-	300785	-	

Attribute	ED122271	ED12227102
Min. switching voltage	-	-
Max. switching voltage	-	-
Max. switching current	-	-
Max. switching power	-	-
Switching frequency	-	-
Assured switching distance (Sao)	-	-
Assured switch-off distance (Sar)	-	-
Minimum switching distance (S0 min)	-	-
LED display	-	-
Actuation	-	-
Switching principle	-	-
Series resistor	-	-
Technology	-	-
Contact form	-	-
Pollution degree	-	-
Protection class	-	-
Coding acc. to EN ISO 14119	-	-
B10d acc. to EN ISO 13849-1	-	-
Type acc. to EN ISO 14119	-	-
Mission time in years	-	-
Structure acc. to EN ISO 13849-1	-	-
Housing design	-	-
Dimensions	-	-
cannot be mounted flush	-	-
Detent present	-	-
Housing material	-	-
Cable material	-	-
Nut material	-	-
Housing colour	-	-
Protection class	-	-
Protection class, connector	-	-
Operating temperature min.	-	-

Attribute	ED122271	ED12227102
Max. operating temperature	-	-
Min. cable temperature range, moving	-	-
Max. cable temperature range, moving	-	-
Min. cable temperature range, fixed installation	-	-
Max. cable temperature range, fixed installation	-	-
Shock resistance (Norm)	-	-
Vibration resistance (Norm)	-	-
Min. storage temperature	-	-
Max. storage temperature	-	-
Mounting type	-	-
Thread	-	-
Connector type	-	-
Cable length	-	-
Number of strands	-	-
Wire cross section	-	-
Cable type	-	-
CE label	-	-
Possible actuators	-	-