



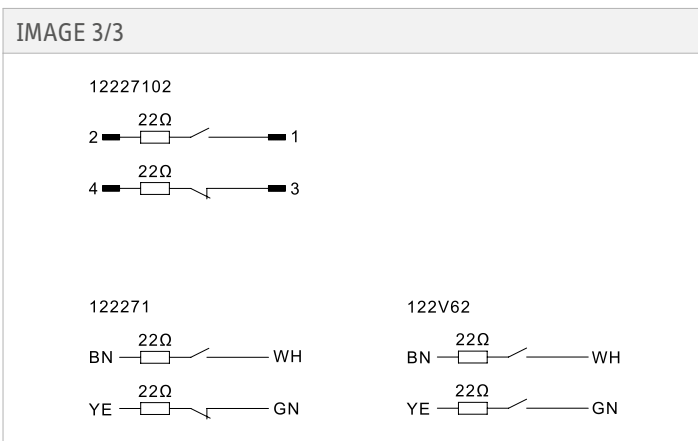
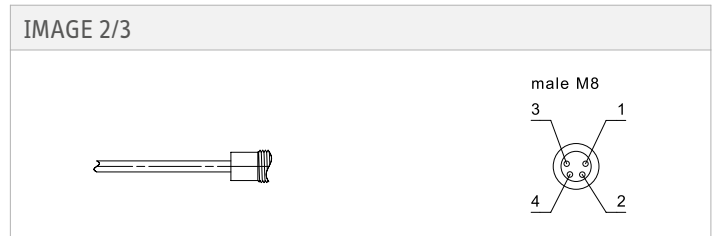
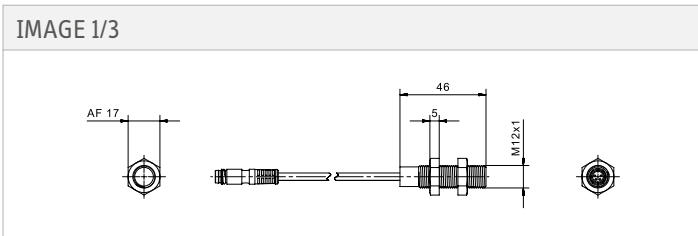
Safety sensor 122

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



Electrical data

Attribute	122V62	122271	12227102
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		
Switching frequency	5 Hz		
Assured switching distance (Sao)	7 mm	15 mm	
Assured switch-off distance (Sar)	20 mm	37 mm	
Minimum switching distance (SO 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		
Protection class	III		

Safety-related characteristics

Attribute	122V62	122271	12227102
Coding acc. to EN ISO 14119	Low		
B10d acc. to EN ISO 13849-1	20000000		
Type acc. to EN ISO 14119	3		
Mission time in years	20 a		
Structure acc. to EN ISO 13849-1	Two-channel		

Mechanical data

Attribute	122V62	122271	12227102
Housing design	cylindrical		
Dimensions	M12 x 46 mm		
cannot be mounted flush	yes		
Detent present	no		

Material information

Attribute	122V62	122271	12227102
Housing material	PBT		
Cable material	PVC		
Nut material	PBT		
Housing colour	schwarz		

Environmental conditions

Attribute	122V62	122271	12227102
Protection class	IP67 / IP69K DIN EN 60529	IP67 DIN EN 60529	
Protection class, connector	-		IP67 DIN EN 60529 (geschraubt) - IP65 DIN EN 60529 (gesteckt)
Operating temperature min.	-25 °C		
Max. operating temperature	75 °C		
Min. cable temperature range, moving	-5 °C	-25 °C	
Max. cable temperature range, moving	70 °C	90 °C	
Min. cable temperature range, fixed installation	-25 °C		
Max. cable temperature range, fixed installation	70 °C	90 °C	
Shock resistance (Norm)	30g / 11ms		
Vibration resistance (Norm)	10 - 55Hz		
Min. storage temperature	-25 °C		
Max. storage temperature	75 °C		

Installation

Attribute	122V62	122271	12227102
Mounting type	Fastening nut		
Thread	M12		

Connection

Attribute	122V62	122271	12227102
Connector type	-		M8x1 - 4 polig
Cable length	1 m		0.1 m
Number of strands	4		
Wire cross section	0.25 mm ²		

Approvals

Attribute	122V62	122271	12227102
CE label	yes		

Operating data

Attribute	122V62	122271	12227102
Possible actuators	324795	300785	