



Safety sensor 114

The 114 series is a simple, compact solution that is ideally suited for tight spaces. This series can be controlled from multiple offering various mounting options, e.g. for installation in guard door profiles.

Technical specifications

- Extremely flat housing
- Available connection types: cable outlet and M8 housing connector
- Simple diagnosis through control contact

Technical drawing

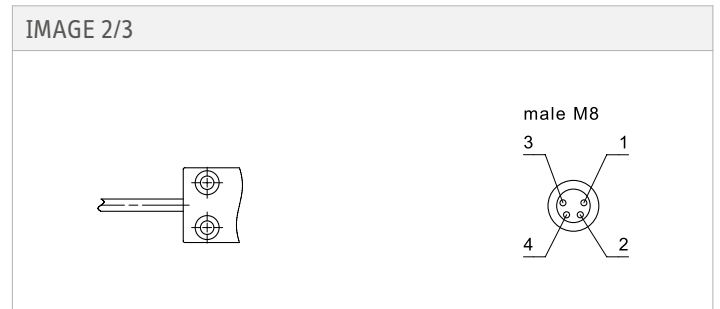
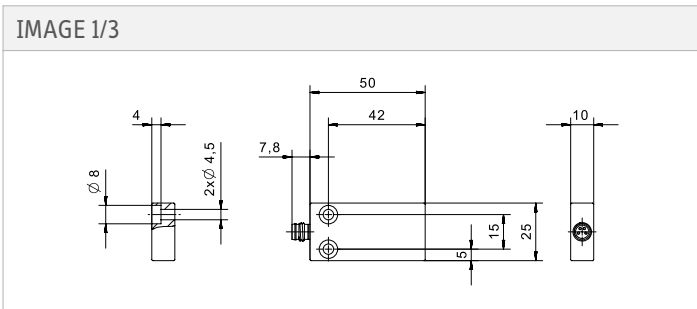
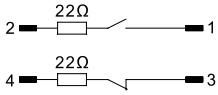
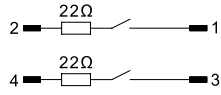


IMAGE 3/3

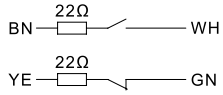
114270A0D



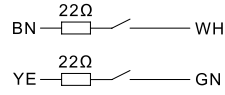
114570



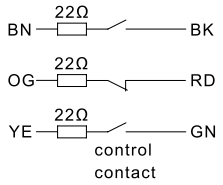
114270



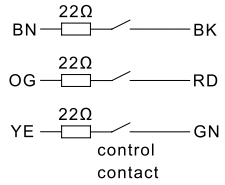
114V62



114570



114562



Electrical data

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
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				4 mm	
Assured switch-off distance (Sar)	15 mm		19 mm			22 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		NO/NO/NO (Kontrollkontakt)	NO/NC/NO (Kontrollkontakt)
Pollution degree	3					
Protection class	III					

Safety-related characteristics

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Coding acc. to EN ISO 14119	Low					
B10d acc. to EN ISO 13849-1	20000000					
Type acc. to EN ISO 14119	4					
Mission time in years	20 a					
Structure acc. to EN ISO 13849-1	Two-channel					

Mechanical data

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Housing design	rectangular					
Dimensions	50 x 25 x 10 mm		25 x 50 x 10 mm		50 x 25 x 10 mm	
cannot be mounted flush	yes					
Detent present	no					

Material information

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Housing material	PBT					
Cable material	PVC	-	PVC	-	PVC	
Housing colour	schwarz					

Environmental conditions

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Protection class	IP67 DIN EN 60529					
Protection class, connector	-	IP67 DIN EN 60529 (geschraubt) - IP65 DIN EN 60529 (gesteckt)	-	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	-	-	-10 °C	-
Max. cable temperature range, moving	-	70 °C	-	-	105 °C	-
Min. cable temperature range, fixed installation	-	25 °C	-	-	-30 °C	-
Max. cable temperature range, fixed installation	-	70 °C	-	-	105 °C	-
Shock resistance (Norm)	30g / 11ms					
Vibration resistance (Norm)	10 - 55Hz					
Min. storage temperature	-25 °C					
Max. storage temperature	75 °C					

Installation

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Mounting type	screwed					
Installation	arbitrary					
Weight		47 g		22 g		-

Connection

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Connector type	-	M8x1 - 4 polig	-	M8x1 - 4 polig	-	-
Cable length	1 m	-	1 m	-	-	1 m
Number of strands	4	-	4	-	-	6
Wire cross section	0.25 mm ²	-	0.25 mm ²	-	-	0.14 mm ²
Cable type	LIYY 4x0,25			-		
Cable colour	grau			-		

Approvals

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Certified in accordance with	ETL				-	
CE label	yes					

Operating data

Attribute	114V62	114V62A0D	114270	114270A0D	114562	114570
Possible actuators	30427532					