

Technical data sheet

Safety relay

Part no.: 50133029

MSI-SR-CM43DT03-03

Contents

- Technical data
- Dimensioned drawings
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- Circuit diagrams
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Figure can vary



Technical data

Basic data

Series	MSI-SR-CM43
Application	Extension unit for safety relays

Functions

Functions	Monitoring of proximity switches
Restart	Automatic

Characteristic parameters

SIL	2, IEC 61508
SILCL	2, IEC/EN 62061
Performance Level (PL)	d, EN ISO 13849-1
PFH _D	2E-07 per hour
Mission time T _M	20 years, EN ISO 13849-1
Category	3, EN ISO 13849

Electrical data

Supply circuit

Min. rated control supply voltage U_s at DC 20.4 V

Max. rated control supply voltage at DC 26.4 V

Min. rated control supply voltage at DC 20.4 V

Output circuit

Number of outputs, safety-oriented, delayed, contact-based 4 Piece(s)

Number of outputs, signaling function, delayed, contact-based 3 Piece(s)

Connection

Number of connections	1 Piece(s)
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Connection 1

Function	Signal IN
	Signal OUT
	Voltage supply

Type of connection Terminal

Type of terminal Spring-cage terminal

No. of pins 16 -pin

Cable properties

Connection cross sections	2 x 0.2 to 1.5 mm ² , wire
	2 x 0.2 to 1.5 mm ² , wire
	2 x 0.25 to 1.5 mm ² , wire with wire-end sleeve

Mechanical data

Dimension (W x H x L)	22.5 mm x 106.5 mm x 114 mm
Net weight	200 g
Housing color	Gray
Type of fastening	Snap-on mounting

Certifications

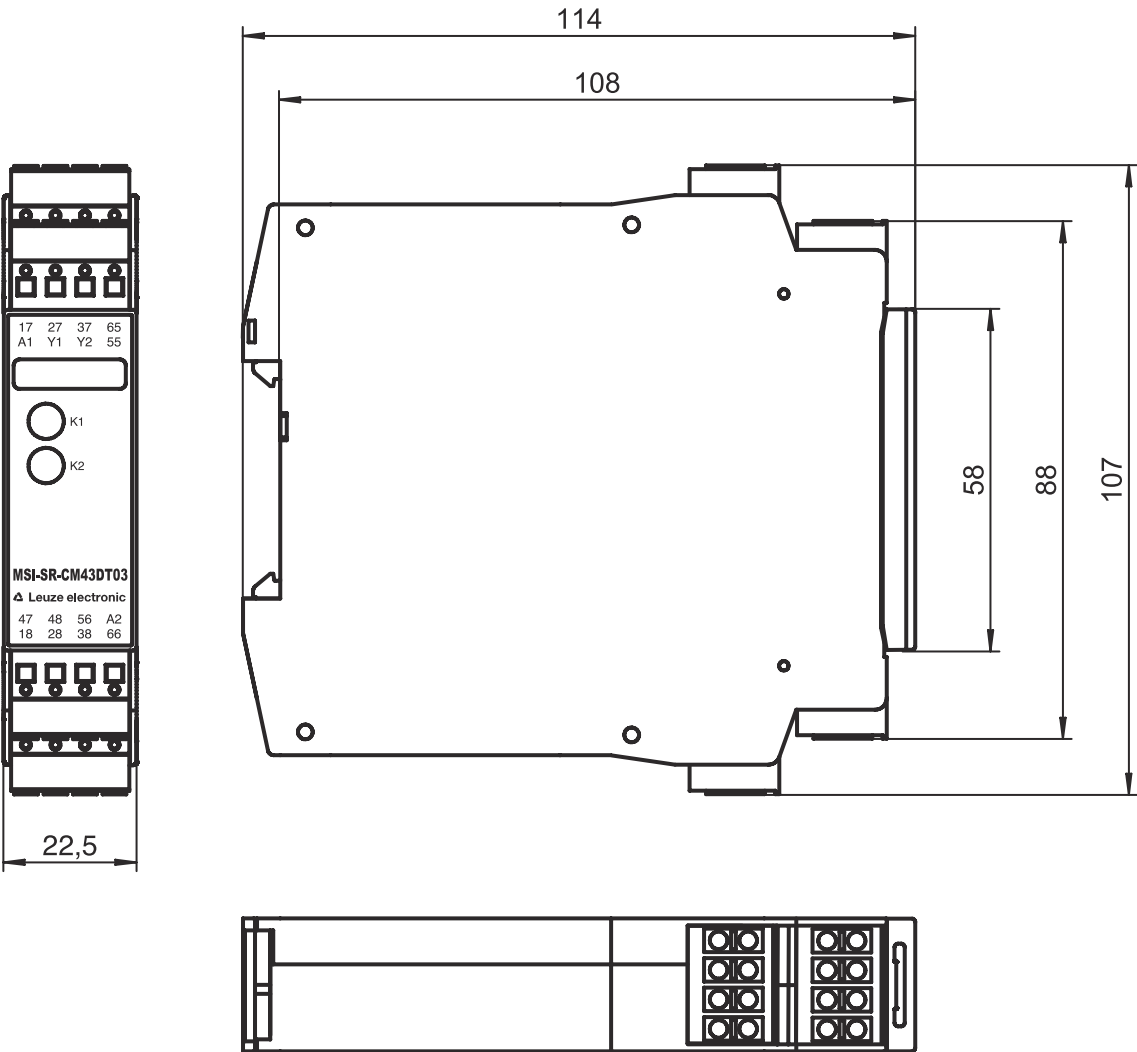
Certifications	c UL US
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Classification

Customs tariff number	85364190
eCl@ss 8.0	27371819
eCl@ss 9.0	27371819
ETIM 5.0	EC001449
ETIM 6.0	EC001449

Dimensioned drawings

All dimensions in millimeters



Electrical connection

Connection 1

Function	Signal IN
	Signal OUT
	Voltage supply
Type of connection	Terminal
Type of terminal	Spring-cage terminal
No. of pins	16 -pin

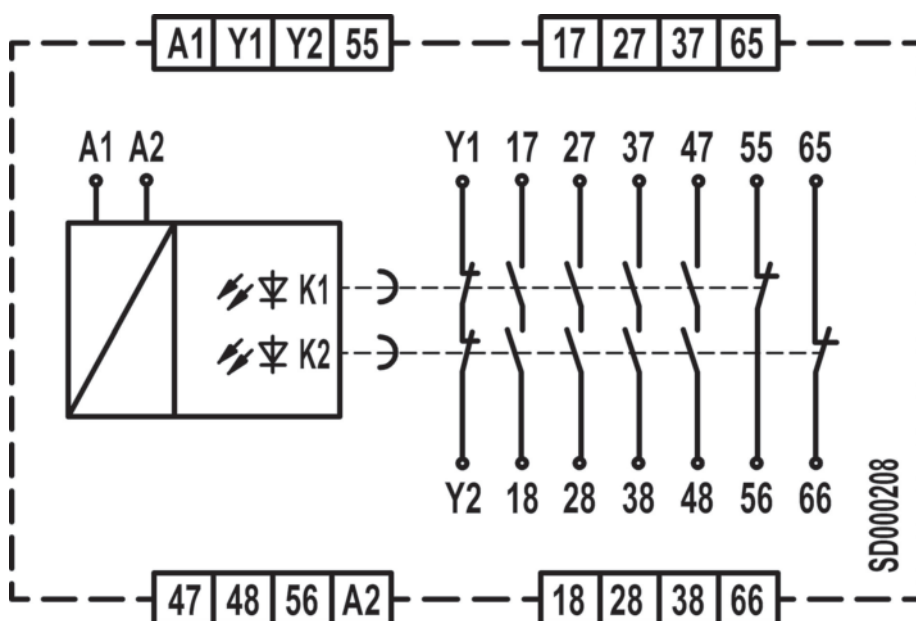
Pin Pin assignment

	17
1	Release current path 1 (NO contact)
	18
2	Release current path 1 (NO contact)
	27

Electrical connection

Pin	Pin assignment
3	Release current path 2 (NO contact) 28
4	Release current path 2 (NO contact) 37
5	Release current path 3 (NO contact) 38
6	Release current path 3 (NO contact) 47
7	Release current path 4 (NO contact) 48
8	Release current path 4 (NO contact) 55
9	Signaling current path 1 (NC contact) 56
10	Signaling current path 1 (NC contact) 65
11	Signaling current path 2 (NC contact) 66
12	Signaling current path 2 (NC contact) A1
13	+24V A2
14	GND Y1
15	Feedback path (NC contact) for the coupling to the base device Y2
16	Feedback path (NC contact) for the coupling to the base device

Circuit diagrams



Notes

 Observe intended use!	
	⌚ The product may only be put into operation by competent persons. ⌚ Only use the product in accordance with its intended use.