

Technical data sheet Safety relay Part no.: 547936

MSI-DT30B-02





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Technical data

Basic data

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Connection 1			
Function	Connection to device		
	Voltage supply		
Type of connection	Terminal		
Type of terminal	Spring-cage terminal		
No. of pins	16 -pin		
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Cable properties			
Connection cross sections	1 x 0.2 to 2.5 mm ² , wire		
	1 x 0.2 to 2.5 mm ² , wire		
Mechanical data			
Dimension (W x H x L)	22.5 mm x 111 mm x 114.5 mm		
Housing material	Plastic		
Plastic housing	Unreinforced polyamide PA		
Net weight	231 g		
Housing color	Gray		
Type of fastening	Snap-on mounting		
Mechanical life time	100,000,000 actuation cycles		
Operation and display			
Type of display	LED		
Number of LEDs	3 Piece(s)		
	011000(3)		
Environmental data			
Ambient temperature, operation	-20 55 °C		
Ambient temperature, storage	-40 70 °C		
Certifications			
Degree of protection	IP 20 (terminals)		
	IP 40 (housing)		
Certifications	c UL US		
	TÜV Rheinland		
Classification			
Customs tariff number	85371098		
ECLASS 5.1.4	27371800		
ECLASS 8.0	27371819		
ECLASS 9.0	27371819		
ECLASS 10.0	27371819		
ECLASS 11.0	27371819		
ECLASS 12.0	27371819		
ECLASS 13.0	27371819		
ECLASS 14.0	27371819		
ETIM 5.0	EC001449		
ETIM 6.0	EC001449		
ETIM 7.0	EC001449		
ETIM 8.0	EC001449		
	50004440		

EC001449

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Electrical connection

Connection 1

Function	Connection to device	
	Voltage supply	
Type of connection	Terminal	
Type of terminal	Spring-cage terminal	
No. of pins	16 -pin	

Electrical connection

Terminal

Terminal	Assignment
A1	+24 V
S35	Start circuit
S34	Start circuit
A2	GND
S11	Sensor input 1
S12	Sensor input 1
S21	Sensor input 2
S22	Sensor input 2
13	1 release circuit, undelayed
14	1 release circuit, undelayed
23	2 release circuit, undelayed
24	2 release circuit, undelayed
37	Release circuit 1, delayed
38	Release circuit 1, delayed
47	Release circuit 2, delayed
48	Release circuit 2, delayed

Operation and display

Display LED 1	Display LED 2	Display LED 3	Meaning
Green, continuous light	Off	Off	Operational readiness
Green, continuous light	Green, continuous light	Green, continuous light	Device is active. Release circuits are closed.
Green, quickly flashing	Off	Off	Internal error - device defective. Replace the device!
Green, slowly flashing	Off	Off	External error - check the wiring and power supply! In event of manual reset: check the time sequence!
Green, slowly flashing	Green, slowly flashing	Off	Configuration error - repeat the configuration! If this cannot be performed: check the wiring and power supply!
Green, slowly flashing	Green, slowly flashing	Green, slowly flashing	Configuration necessary - positioner for delay time was readjusted. Configure again!

