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Expansion module for safety relays KZE5-YS Part number 85102956



Part numbers

- "Multiplication of contacts" function for safety relays
 1- or 2-channel operation
- Security with redundancy and feedback circuit
- 5 "NO" security contacts
 Performance Level (PL) e, safety category 4 to EN ISO 13849-1
 SIL Claimed Level (SIL CL) 3 to IEC/EN 62061

85102956 KZE5-YS Screws 24 VAC/DC 50/60 5 NO Specifications Operating characteristics Functions Multiplication of the number of contacts for safety relays 9 Operation 1 or 2 channels 1 1 Return loop X1 · X2 1 1 Display of output state by LED Output : OUT1 (relay K1) Output : OUT2 (relay K2) 1 1 Supply Supply requency range (H2) 50 / 60 Operating range AC : 15 / + 10 % U D C: 15 / + 10 % U (at 48 % residual ripple) D C: 15 / + 10 % U (at 48 % residual ripple) 1	Туре	Terminals	Voltages	Supply frequency range (Hz)	Outputs			
Processor Multiplication of the number of contacts for safety relays Spreation 1 or 2 channels Ream ioo X1 - X2 Darphay of contact state by LED Outpit: UUT1 (relay K1) Outpit: UUT2 (relay K2) Outpit: UUT2 (relay K2) Supply State 2 44 VACDC Supply State 2 44 VACDC Supply State 2 44 VACDC Supply (relays)	85102956 KZE5-YS	Screws	24 VAC/DC	50/60	5 NO			
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Supply voltage 85 102 956 : 124 VAC/DC 85 102 956 : 100 115 VAC 85 102 957 : 100 × 100 115 VAC 85 102 957 : 100 × 100 × 0000000000000000000000000	Supply							
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Storage temperature (0 C) -25 \rightarrow +85 Altitude < 2000 m	Climatic environment							
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field acc. IEC/EN 61000-4-3	Immunity to electrostatic discha		⁴⁻ 8 kV (air)	8 kV (air)				
Immunity to rapid transient bursts acc. to IEC/EN 61000-4- 4 kV	field acc. IEC/EN 61000-4-3		10 V / m					
	Immunity to rapid transient burst	s acc. to IEC/EN 61000-4	4 kV					

02/11/2015

Immunity to shock waves according to IEC/EN 61000-4-5	Between wires for power supply : 1 kV (AC), 0,5 kV (24 VAC/DC) Between wires and ground : 4 kV
Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-6	10 V
Interference suppression according to IEC/EN 55011	Limit value class B
Housing	
Material : self-extinguishing (UL94VO)	Thermoplastic with V0 extinction behaviour
Protection (IEC/EN 60529) - Casing	IP40
Protection (IEC/EN 60529) - Term. block	IP20
Mounting	DIN-rail
Weight (g)	205
Safety standards	
Approvals	CE, TÜV, UL/CSA
Environmental directive 2002/95/CE	RoHs
Environmental regulation 1907/2006	Reach
Security data according to EN ISO 13849-1	Performance Level (PL) : e Category : 4
SIL Claimed Level (SIL CL) to IEC/EN 62061	3
Safety Integrity Level (SIL) according to CEI/EN 61508	3
Safety category to EN 954-1	4

Principles

EN ISO 13849-1:		
Category:	4	
PL:	е	
MTTF _d :	> 100	a (year)
DC _{avg} :	99,0	%
d _{op} :	365	d/a (days/year)
h _{oo} :	24	h/d (hours/day)
t _{cycle} :	2,60E+06	s/cycle
	≙ 1	mth (month)

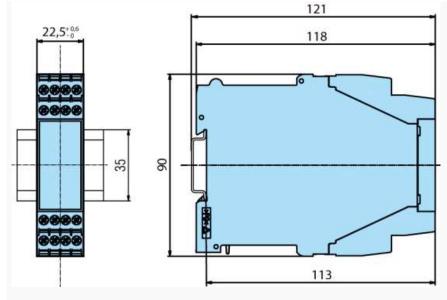
IEC/EN 62061 IEC/EN 61508:				
SIL CL:	3	IEC/EN 62061		
SIL	3	IEC/EN 61508		
HFT ^{*)} :	1			
DC _{avg} :	99,0	%		
SFF	99,7	%		
PFH _D :	4,68E-10	h-1		
*) HFT = Hardware failure tolerance				

Dimensions (mm)

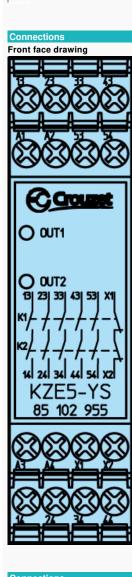
×

Dimensions (mm) Screw terminals

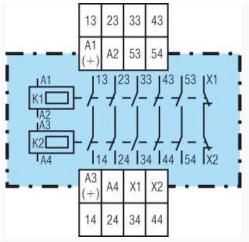
www.crouzet.com



Connections



Connections Contacts



A1 (+):+/LA2:-/NX1, X2: Feedback circuit (forcibly guided NC contact) 13, 14, 23, 24, 33, 34, 43, 44, 53, 54: Safety circuit outputs (forcibly guided NC contacts)



