

Technical Data

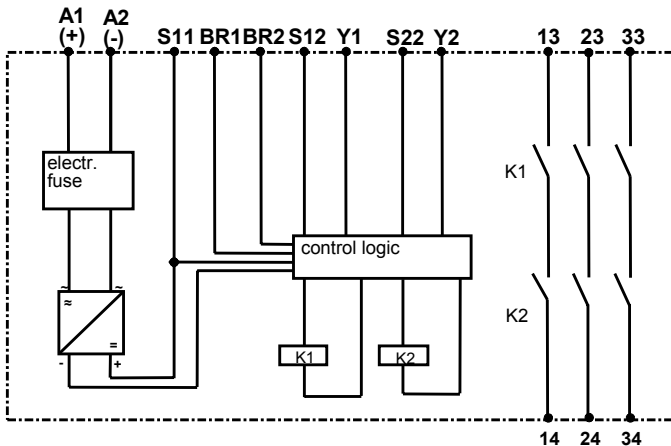
Safety Relay Combination

Series SCR

Description **SCR ON4-W22-3.6-S**

Article number **6075111019**

Assembly and function
(function circuit diagram)



A1, A2
connection operation voltage

13-14, 23-24, 33-34
safety output (N.O.)

Y1-Y2
START-button

S12, S22
inputs for the ESPE outputs

BR1-BR2
bridge over BR1 and BR2 enables automatic START

Electrical data

Supply voltage	U_e	24V AC/DC
Voltage range		0,9 ... 1,1 U_e
Frequency		50 ... 60 Hz
Power consumption appr.		24V DC: 2,5 W, 24V AC: 2,5 VA
Inrush current S12, S22		390 mA
Permanent current S12, S22		20 mA

Conductor data

conductor connection	2 x 2,5 mm ² solid wire 2 x 1,0 mm ² strand with wire end ferrule DIN VDE 46228
Max. conductor length (input circuit)	100 m each conductor
Conductor cross-section	2 x 1,5 mm ²
Capacity	150 nF/km
Resistance	11,7 Ohm/km

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Safety Relay Combination

Contact data	
Contact configuration	3 N.O. contacts
Contact type	Relay forcibly guided contacts
Contact material	AgSnO ₂ or comparable material
Switching voltage	250V AC, 24V DC
Switching current	6 A
Max. switching capacity	1500 VA (ohms load)
Mechanical life	10 ⁷ operations
Electrical life	10 ⁵ operations
Creepage and clearance distances (DIN VDE 0160)	at pollution grade 2
	Basis isolation: Voltage category 3
	Protective separation: Voltage category 2
Contact protection	6,3A brisk or 4A inert DIN VDE 0660 part 200
Voltage on S11	24V DC
Delay on deenergisation K1	< 30 ms

Mechanical data	
Enclosure material	Polyamide PA 6.6
Dimensions (W x H x D)	22,5 x 114,5 x 99
Mounting	Click-fastening for DIN-Rail

Environmental data	
Operating temperature range	-25°C ... +55°C
Degree of protection, terminals	IP 20 DIN VDE 0470 part 1
Degree of protection, enclosure	IP 40 DIN VDE 0470 part 1
Shock resistance	5g, 33 Hz VDE 0160

CE - Conformity	CE
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Approvals	
	TÜV
	UL
	C-UL

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