

Safety relays

C572

Ordering details



C572

- Auto-start / monitored start
- 24 V DC at EMERGENCY STOP button or limit switch
- Cross circuit detection at EMERGENCY STOP button or limit switch
- Feedback loop for monitoring of external contactors
- Safety outputs: 3 n/o contacts, positively guided
- Signalling contacts: 2 n/c contacts, positively guided
- 3 LEDs for status indication
- Safety category acc. to EN 954-1: B, 1, 2, 3, 4

EMERGENCY STOP monitor and safety gate monitor C572

Application

The safety relay C572 can be used in EMERGENCY STOP circuits according to EN 418, in safety circuits according to VDE 0113 Part 1 (06.93) and/or EN 60 204-1 (12.97), e.g. with movable covers and safety gates. Depending on the external connection, safety categories B, 1, 2, 3 or 4 according to DIN EN 945-1 are achievable with this device.

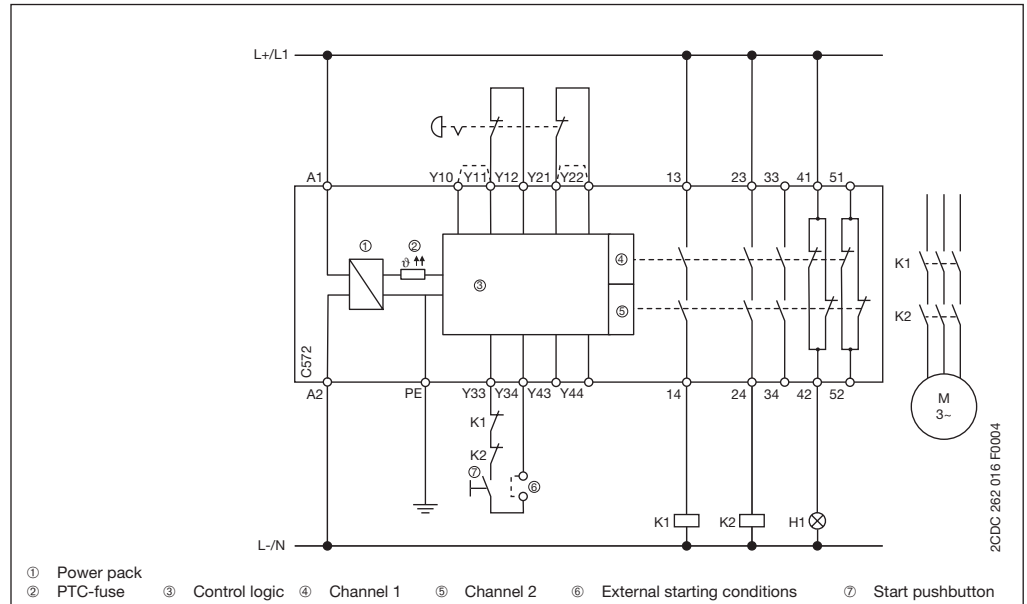
Functions

The safety relay C572 has three enabling circuits (safety outputs) which are configured as n/o contacts and two signal circuits configured as a n/c contact.

Three LEDs (Power, Channel 1, Channel 2) indicate operating state and function.

When the EMERGENCY STOP pushbutton or limit pushbutton is unlocked and the ON-button is pressed, the redundant safety relays, electronic circuitry and external contactors are tested for proper functioning. On the C572, the ON circuit Y33-Y34 is checked for short circuit. This means that a fault is detected when Y33-Y34 is closed before the EMERGENCY STOP button is closed.

Block diagram C572



Connection diagram C572

	<p>A1-A2 Supply voltage 13-14, 23-24 Safety outputs (n/o) 41-42, 51-52 Signalling outputs (n/c)</p>	<p>Y43-Y44 jumper = Auto-start without jumper = monitored start Y10-Y11 jumper = two channel operation, EMERGENCY STOP at Y11-Y12 and Y21-Y22 Y11-Y12, CY jumper = single channel operation, EMERGENCY STOP at Y10-Y12, Y21-Y22 jumpered Y33-Y34 Feedback loop, ON-button</p>
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Type	Supply voltage U_c	Order code	Pack. unit piece	Price 1 piece	Weight 1 piece kg / lb
C572	24 V DC	1SAR 501 032 R0003	1		0.42 / 0.93
	24 V AC	1SAR 501 032 R0002	1		0.42 / 0.93
	115 V AC	1SAR 501 032 R0004	1		0.52 / 1.15
	230 V AC	1SAR 501 032 R0005	1		0.52 / 1.15

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