

Application examples

C575

Application

C 575 is suitable for installation in controls for presses.

- Hydraulic presses DIN EN 693,
- Eccentric and related presses EN 692,
- Screw presses EN 692.

Functions and connections

The two-hand control unit C 575 possesses two release circuits (safety outputs) configured as NO contacts and two signal outputs configured as NC contacts. Five LEDs indicate the operating status and the functions.

The safety outputs are closed by simultaneous operation (< 0.5s) of the push-buttons S1, S2. If one pushbutton is no longer pressed, the outputs open. They do not close again until both pushbuttons are no longer pressed and then simultaneously pressed again.

1. Operating voltage to be applied to the terminals A1 and A2.

The operating voltage must be de-energized with the operating energy of the press.

2. Feedback loop to be closed:

Y11, Y12 to be jumpered or connected to the NC contacts of external contactors.

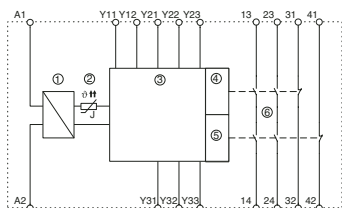
3. Input circuits to be connected:

Pushbutton S1 to terminals Y21, Y22, Y23 and pushbutton S2 to terminals Y31, Y32, Y33.

Terminal marking

Supply voltage	A1	L/+
	A2	N/-
Outputs	13, 14	Safety output 1 (n/o contact)
	23, 24	Safety output 2 (n/o contact)
	31, 32	n/c signal output
	41, 42	n/c signal output
Inputs	Y11, 12	Feedback loop
	Y21, 22, 23	Pushbutton S1
	Y31, 32, 33	Pushbutton S2

Internal circuit



Operation

LEDs					Operation
POWER	S1 ON	S2 ON	Channel 1	Channel 2	Pushbutton
☀	●	●	●	●	non activated
☀	☀	●	●	●	only S1 activated
☀	●	☀	●	●	only S2 activated
☀	☀	☀	☀	☀	S1 and S2 activated

The unit cannot be started with the following faults:

- Short circuit, e.g. between the pushbuttons
- Defective relay coils
- Conductor failure
- Welded contacts

The output relays does not energize if:

- The pushbuttons are not pressed simultaneously (< 0.5s)
- Only one pushbutton is pressed
- The feedback loop Y11, Y12 is open.

Cable length

max. 1000m for 2 x 1.5mm² (Total cable length for sensors and power supply lines)

External circuit S1, S2 pushbuttons on two-hand control console, H1 indicator light, K1 and K2 must be positively guided contactors, Safety category 4 acc.to EN 954-1

