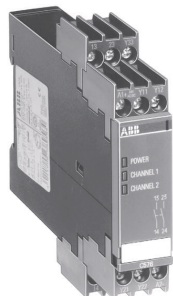


# Safety relays

## C576 and C577

### Ordering details

1SAR 501 120 F 0001



**C576**

1SAR 501 220 F 0001



**C577**

#### C576:

- Auto-Start

#### C577:

- Monitored Start

#### C567 and C577:

- Cross circuit detection at EMERGENCY STOP button or limit switch
- 24 V DC at the EMERGENCY STOP button
- Two-channel connection
- Feedback loop for monitoring of external contactors
- Safety outputs: 2 n/o 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 C576 and C577

#### Application

The safety relays C576 and C577 can be used in safety circuits according to VDE 0113 Part 1 (11.98) or EN 60 204-1 (11.98), e. g. with movable covers and safety gates, the C577 in EMERGENCY STOP circuits according to EN 418. Depending on external connections, safety categories B, 1, 2, 3 or 4 according to DIN EN 954-1 are achievable.

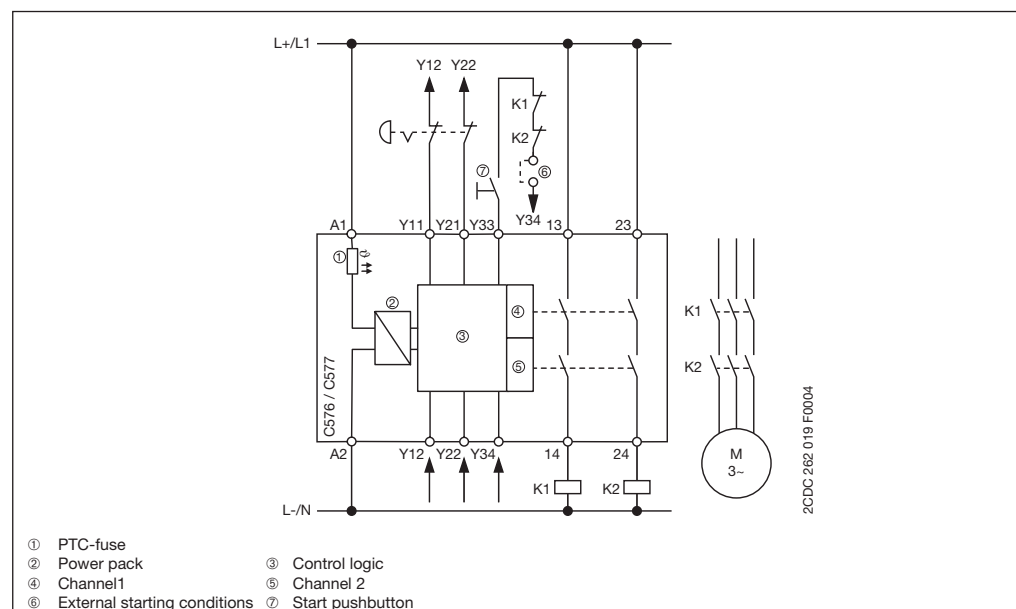
#### Functions

The safety relays C576 and C577 have two enabling circuits (safety outputs) configured as n/o contacts. The number of enabling circuits can be increased by adding one or more C579 extension units.

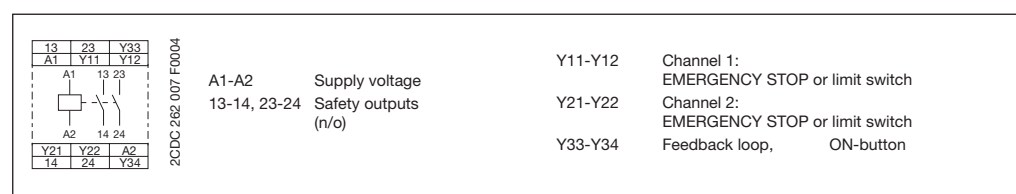
Three LEDs (Power, Channel 1, Channel 2) indicate operating state and function.

When the EMERGENCY STOP button or the limit switch is unlocked and when the ON-button is pressed, the internal circuit of the safety relay and the external contactors are checked for proper functioning. On the C577, 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 C576 and C577



#### Connection diagram C576 and C577



Type	Supply voltage $U_c$	Start	Order code	Pack unit piece	Price 1 piece	Weight 1 piece kg / lb
<b>C576</b>	24 V AC/DC	auto	<b>1SAR 501 120 R0001</b>	1		0.27 / 0.60
<b>C577</b>	24 V AC/DC	monitored	<b>1SAR 501 220 R0001</b>	1		0.28 / 0.62

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