

Design

The unit consists of two printed circuit boards with one switch-on and one switch-off relay with time delay, mounted on a plug-in plate. All electrical connections are in the form of 4 mm safety connectors. The component is mounted on the mounting frame or on the slotted assembly board using the set of plug-in adapters.

Function

The time period of the **relay with switch-on delay** can be infinitely adjusted via the rotary knob of the potentiometer. The contact set consists of two normally open contacts and two normally closed contacts. When the voltage is applied to the coil connections, the set time delay takes effect. When the time delay has expired, the contact set is actuated. Circuits are opened or closed via the contact connections. When the time delay has expired, the contact set returns to its initial position without delay. A protective circuit protects the switch-on delay time relay against polarity reversal.


The time period of the **switch-off** time relay is infinitely adjustable via the rotary knob of the potentiometer. The contact set consists of two normally open contacts and two normally closed contacts. The contact set is actuated without delay when the voltage is applied. Circuits are opened or closed via the contact connections. When the voltage is removed, the set time delay takes effect. When the time delay has expired, the contact set is returned to its initial position. The switch-off time relay is protected against polarity reversal.

162243

Time relay, 2-off

Note The correct polarity must be observed for proper function in industrial use.

Technical data

Electrical	
Voltage	24 V DC
Contact set	2 normally open, 2 normally closed contacts
Contact load	maximum 5 A
Cut-off capacity	maximum 100 W
Time delay	0.5 to 10 s (adjustable)
Connection	For 4 mm safety connector plug
Electromagnetic compatibility	
Emitted interference	tested to EN 500 81-1
Noise immunity	tested to EN 500 82-1