Features

- The relay keeps timing according to the set function even after the power supply is disconnected.
- It can be used for delayed switching off of a backup power supply and systems in case of power failure (e.g. emergency lighting, emergency ventilation, electrically and automatically operated doors – lifts, escalators).
- Comfortable and well-arranged time delay (t) setting by rotary switch.
- Adjustable time delay from 0.1 s to 10 m is split into four ranges: (0.1 s – 1 s / 1 s – 10 s / 0.1 m – 1 m / 1 m – 10 m)
- Power supply outages must be in the order of tens to hundreds of milliseconds.
- Multifunction red LED flashes or shines depending on the operating states.

RS PRO Timer Relays

0360687

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

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- ***It can be used for delayed switching off of a backup power supply and systems in case of power failure (e.g. emergency lighting, emergency ventilation, electrically and automatically operated doors – lifts, escalators).***
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- ***Multifunction red LED flashes or shines depending on the operating states.***

Power supply

Supply terminals:	A1-A2
Supply voltage:	AC/DC 12 – 240 V (AC 50-60 Hz)
Consumption (max.):	1.9 VA/0.9 W
Supply voltage tolerance:	−15 %; +10 %

Time circuit

Number of features:	8
Time delay (t):	0.1 s – 10 m
Time setting:	rotary switch and potentiometer
Time deviation:	5 % – mechanical setting
Repeat accuracy:	0.2 % – set value stability
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01%/°F, at = 68 °F)

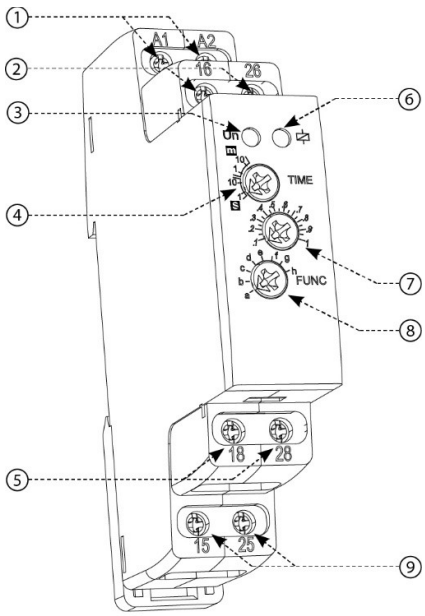
Output

Contact type:	2× changeover (AgNi)
Current rating:	8 A/AC1
Breaking capacity:	2000 VA/AC1, 192 W/DC1
Inrush current:	10 A/<3 s
Switching voltage:	250V AC/24V DC
Power dissipation (max.):	1.2 W
Mechanical life:	2.000.000 ops.
Electrical life (AC1):	200.000 ops.

Other specifications

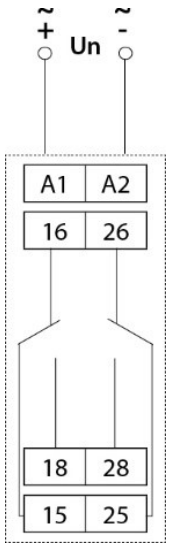
Operating temperature:	−20 .. +55 °C
Storage temperature:	−30 .. +70 °C
Dielectric strength: **supply – output 1** **supply – output 2** **output 1 – output 2**	 AC 3.5 kV AC 3.5 kV AC 3.5 kV
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP40 front panel / IP20 terminals
Overvoltage category:	III.
Pollution degree:	2
Cross-wire section – solid/ stranded with ferrule (mm^2):	max. 1× 2.5, 2× 1.5/ max. 1× 2.5 (AWG 14)
Dimensions:	90 × 17.6 × 64 mm (3.54" × 0.69" × 2.52")
Weight:	69 g (2.43 oz)
Standards:	EN 61812-1

Approvals

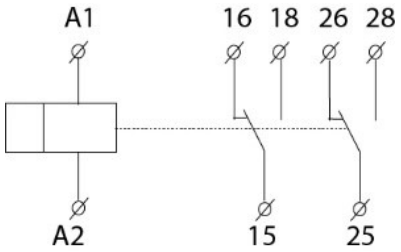


1. Supply voltage terminals (A1-A2)
2. Output contact (16-26)
3. Supply voltage indication
4. Time delay (t) setting
5. Output contact (18-28)
6. Indication of operating states
7. Fine time setting
8. Function setting
9. Output contact (15-25)

Connection

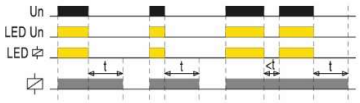


Symbol

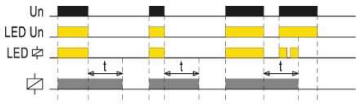


Function

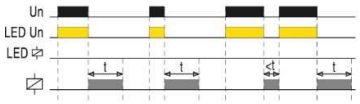
a TRUE OFF DELAY 1



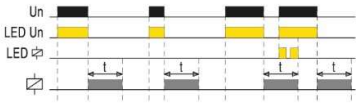
e TRUE OFF DELAY 2



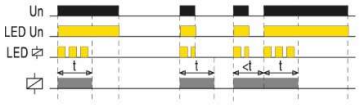
b TRUE SINGLE SHOT falling edge 1



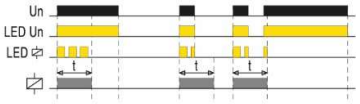
f TRUE SINGLE SHOT falling edge 2



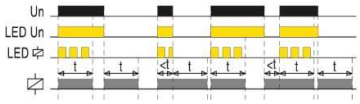
c TRUE INTERVAL ON 1



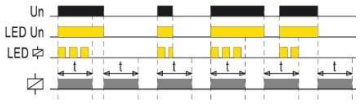
g TRUE INTERVAL ON 2



d TRUE INTERVAL ON/OFF 1



h TRUE INTERVAL ON/OFF 2



Functions a, b, c, d (1) differ from functions e, f, g, h (2) in behavior after a power failure, shorter than the set time delay (t).

- Functions a, b, c, d (1) after a short outage reset the delay and run from the beginning as when the power was turned on
- The function e, f, g, h (2) does not respond to a short outage and it completes the set delay until the end

If the function or time range rotary switches are in any unused positions, the red LED will flash rapidly after power-up and a short delay.