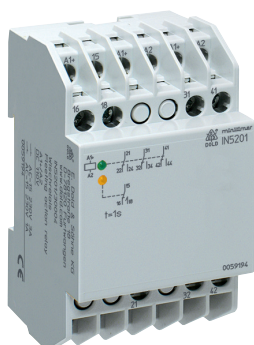


MINITIMER Fleeting Action Relay IN 5201/30004



0276962



Your Advantages

- Simultaneous switching of 4 independent current circuits, one of them on-delayed
- Separating potentials between load circuit and auxiliary voltage circuit

Features

- Acc. to IEC/EN 60 947-5-1, IEC/EN 61 810-1
- For separating potentials
- Output 4 changeover contacts, one of them on-delayed
- DIN rail or screw mounting
- Width: 52.5 mm

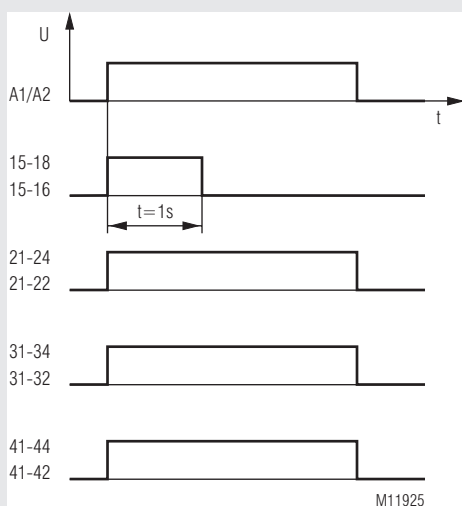
Product Description

The fleeting action relay IN 5201/30004 provides potential separation of several devices. One ON-delay timer and 3 non-delayed relays can be operated galvanically separated. The fleeting action relay works as interface between control and load.

Approvals and Markings



Function Diagramm



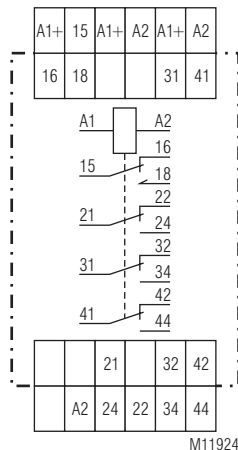
Applications

- Link between the control and the power level
- For separating potentials

Functions

The IN 5201/30004 includes a fleeting on make timer as an interface relay with 2 changeover contacts and an interface relay with 1 changeover contact. The fleeting on make timer delays the connected auxiliary voltage by 1 sec while the interface relays switch instantaneously.

Circuit Diagram



Connection Terminals

Terminal designation	Signal designation
A1+, A2-	Operating voltage
15, 16, 18	On-delayed changeover contacts (Output relays)
21, 22, 24, 31, 32, 34, 41, 42, 44	Changeover contact (Output relays)

Indicators	
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grønn LED: on when auxiliary supply connected (operation)
yellow LED: indicates the state of the output relays

Technical Data	
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Auxiliary Circuit

Auxiliary voltage U_H : DC 110 V
Voltage range: 0.8 ... 1.1 U_H
Nominal consumption: approx. 4 W

Output

Contacts: 3 changeover contact instantaneous + 1 changeover contact on-delayed

Contact material:
15, 16, 18: AgNi 0.15 + 0.3 μ m Au
21, 22, 24: AgSnO₂ + 0.2 μ m Au
31, 32, 34; 41, 42, 44: AgNi 10 + 0.2 μ m Au

Measured nominal voltage: AC 250V
Thermal current I_{th} : 4 A
Switching capacity
to AC 15
NO contact: 3 A / AC 230 V IEC/EN 60 947-5-1
NC contact: 1 A / AC 230 V IEC/EN 60 947-5-1

Electrical life
to AC 15 at 1 A, AC 230 V: 1 x 10⁵ switch. cycl. IEC/EN 60 947-5-1

Short circuit strength
max. fuse rating: 4 A gG / gL IEC/EN 60 947-5-1

Mechanical life: > 30 x 10⁶ switching cycles

General Data

Operating mode: Continuous operation

Temperature range
Operation: - 20 ... + 60 °C
Storage: - 25 ... + 70 °C

Relative air humidity: 93% at 40 °C
Altitude: < 2,000 m

Clearance and creepage distances
Rated impulse voltage / pollution degree: 4 kV / 2 IEC 60 664-1
Insulation test voltage
Routine test: AC 2.5 kV; 1 s

EMC
Electrostatic discharge: 8 kV (air) IEC/EN 61 000-4-2
HF irradiation:
80 MHz ... 1 GHz: 11 V / m IEC/EN 61 000-4-3
1 GHz ... 2.5 GHz: 10 V / m IEC/EN 61 000-4-3
2.5 GHz ... 2.7 GHz: 10 V / m IEC/EN 61 000-4-3
Fast transients: 2 kV IEC/EN 61 000-4-4

Surge voltages
between
wires for power supply: 1 kV IEC/EN 61 000-4-5
between wire and ground: 2 kV IEC/EN 61 000-4-5
HF wire guided: 10 V IEC/EN 61 000-4-6
Interference suppression: Limit value class B EN 55 011

Degree of protection:
Housing: IP 40 IEC/EN 60 529
Terminals: IP 20 IEC/EN 60 529

Housing: Thermoplastic with V0 behaviour according to UL subject 94

Vibration resistance: Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60 068-2-6
20 / 060 / 04 IEC/EN 60 068-1

Climate resistance: EN 50 005

Terminal designation: DIN 46 228-1/-2/-3

Wire connection: 2 x 2.5 mm² solid or 2 x 1.5 mm² stranded wire with sleeve

Stripping length: 10 mm

Wire fixing: Flat terminals with self-lifting clamping piece IEC/EN 60 999-1

Fixing torque: 0.8 Nm

Mounting: DIN rail IEC/EN 60 715

Weight: 225 g

Dimensions

Width x height x depth: 52.5 x 90 x 61 mm

Standardtype	
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IN 5201/30004 DC 110 V 1s
Artikelnummer: 0059194
• Ausgang: 4 Wechsler
• Hilfsspannung U_H : DC 110 V
• Baubreite: 52,5 mm
• Einschaltverzögerung: 1 s
• Baubreite: 52,5 mm

Bestellbeispiel	
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IN 5201/30004 DC 110 V 1 s
Einschaltverzögerung
Hilfsspannung
Gerätetyp