



RV-M

RV-M

Code: P30701. (CONSULTAR DISPONIBILIDAD)

> Voltage control relay

Description

Electronic relay for protection and continuous voltage monitoring.

- Protection against voltage surges, triggers at voltages higher than 265 V. Trigger time according to the voltage value less than or equal to:
 - 300 V triggers after 3 s
 - 350 V triggers after 800 ms
 - 400 V triggers after 200 ms
- Protection against voltage drop, triggers at voltages less than 160 V. Fixed trigger time of 300 ms.
- Error in phase sequence (incorrect phase connection order for **RV-T**. Fixed trigger time 1 s.
- The **RV-TS** type does not include phase sequence monitoring.
- Activation by external input (TRIGGER). Trigger time less than or equal to 10 ms.
- Indication LED for power supply and voltage error.

Application

The **RV** relay range has been designed to provide protection from disruption to the neutral connection of electrical installations by measuring voltages between phase in neutral. It may be applied to both single phase (type **RV-M**) and three-phase installations **RV-T** / **RV-TS**).

These voltage monitoring relays detect, according to the type used, incorrect phase sequence, phase loss, as well as voltage surges and drops in a single module size unit suitable for both industrial and modular cabinets. Measurement using true root mean square.



RV-M

Voltage detector control relay

Code: P30701.

Specifications

AC power supply

Frequency	50 Hz
Nominal voltage	150 ... 500 V~

Mechanical characteristics

Size (mm) width x height x depth	18 x 85 x 73 (mm)
Fastening	DIN rail
Weight (kg)	0,07

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5 ... 95 %
Working temperature	-5 ... +40 °C

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V (IEC 61010)
Standards	IEC 61000-6-4, IEC 61000-6-2, IEC 61000-4-11, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5

Electrical safety

Insulation	Class II
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Digital relay outputs

Quantity	1
Type	Changeover contact NO/NC
Maximum current	5 A
Insulation voltage	250 V~

Digital transistor outputs

Quantity	1
Maximum voltage	24 V cc

Protection

Circuit breaker type	Contactors or automatic circuit breaker with trigger coil
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