RM17UAS15

relej za kontrolu napona RM17-U – raspon 65..260 V AC

Green Premium Product

Glavno

Range of product	Zelio Control
Product or component type	Modular measurement and control relays
Relay type	Voltage control relay
Product specific application	For single-phase and DC supply
Relay name	RM17UAS
Relay monitored parameters	Overvoltage or undervoltage detection Self-powered
Time delay type	Adjustable 0.1...10 s, 0 + 10 % on crossing the threshold
Switching capacity in VA	1250 VA
Minimum switching current	10 mA at 5 V DC
Maximum switching current	5 A AC/DC
Power consumption in VA	0...3 VA AC
Measurement range	65...260 V voltage AC 50/60 Hz 65...260 V voltage DC
Utilisation category	AC-12 conforming to IEC 60947-5-1 AC-13 conforming to IEC 60947-5-1 AC-14 conforming to IEC 60947-5-1 AC-15 conforming to IEC 60947-5-1 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1 DC-14 conforming to IEC 60947-5-1

Komplementarno

Reset time	1500 msfor time delay
Maximum switching voltage	250 V AC/DC
[Us] rated supply voltage	110...240 V AC/DC, 50/60 Hz +/- 10 %
Supply voltage limits	50...270 V AC/DC
Power consumption in W	<= 1 W DC
Immunity to microbreaks	20 ms
Control circuit frequency	50...60 Hz +/- 10 %
Output contacts	1 C/O
Nominal output current	5 A
Measuring cycle	<= 150 ms measurement cycle as true rms value
Hysteresis	5...20 % of threshold setting
Run-up delay at power-up	<= 100 ms DC <= 500 ms AC
Measurement accuracy	+/- 10 % of the full scale value
Repeat accuracy	+/- 0.5 %for input and measurement circuit +/- 1 %for time delay
Measurement error	< 1 % over the whole range with voltage variation 0.2 %/°C with temperature variation
Polarity	Non reversible polarity on DC supply
Quality labels	CE
Overvoltage category	III conforming to IEC 60664-1
Insulation resistance	> 500 MOhm at 500 V DC conforming to IEC 60255-5 > 500 MOhm at 500 V DC conforming to IEC 60664-1
[Ui] rated insulation voltage	250 V conforming to IEC 60664-1 400 V conforming to IEC 60664-1

Operating position	Any position without derating
Connections - terminals	Screw terminals 1 x 0.5...1 x 4 mm² - AWG 20...AWG 11, solid cable without cable end
	Screw terminals 2 x 0.5...2 x 2.5 mm² - AWG 20...AWG 14, solid cable without cable end
	Screw terminals 2 x 0.2...2 x 1.5 mm² - AWG 24...AWG 16, flexible cable with cable end
	Screw terminals 1 x 0.2...2 x 2.5 mm² - AWG 24...AWG 12, flexible cable with cable end
Tightening torque	0.6...1 N.m conforming to IEC 60947-1
Housing material	Self-extinguishing plastic
Local signalling	LED greenfor power ON
	LED yellowfor relay ON
Mounting support	35 mm symmetrical DIN rail conforming to EN/IEC 60715
Electrical durability	100000 cycles
Mechanical durability	<= 30000000 cycles
Operating rate	<= 360 operations/hour under full load
Width	17.5 mm
Product weight	0.08 kg

Okolina

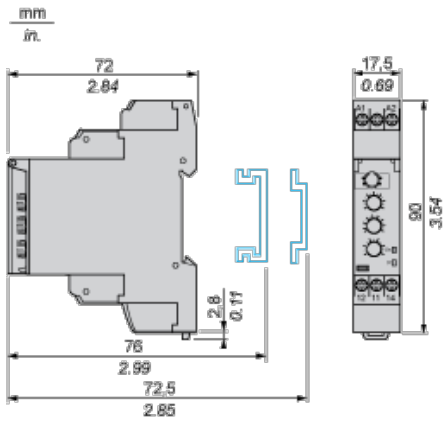|	
electromagnetic compatibility	Emission standard for industrial environments conforming to EN/IEC 61000-6-4
	Emission standard for residential, commercial and light-industrial environments conforming to EN/IEC 61000-6-3
	Immunity for industrial environments conforming to NF EN/IEC 61000-6-2
standards	EN/IEC 60255-6
product certifications	CSA
	C-Tick
	GL
	GOST
	UL
directives	89/336/EEC - electromagnetic compatibility
	73/23/EEC - low voltage directive
ambient air temperature for storage	-40...70 °C
ambient air temperature for operation	-20...50 °C
relative humidity	95 % at 55 °C conforming to IEC 60068-2-30
vibration resistance	0.35 mm (f = 5...57.6 Hz) conforming to IEC 60068-2-6
	1 gn (f = 57.6...150 Hz) conforming to IEC 60255-21-1
shock resistance	5 gn conforming to IEC 60068-2-27
IP degree of protection	IP20(terminals) conforming to IEC 60529
	IP30 (casing) conforming to IEC 60529
pollution degree	3 conforming to IEC 60664-1
dielectric test voltage	2 kV AC 50 Hz, 1 min conforming to IEC 60255-5
	2 kV AC 50 Hz, 1 min conforming to IEC 60664-1
non-dissipating shock wave	4 kV conforming to IEC 60255-5
	4 kV conforming to IEC 60664-1
	4 kV conforming to IEC 61000-4-5

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0701 - Schneider Electric declaration of conformity	Compliant - since 0701 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

Contractual warranty

Warranty period	18 months

Single-Phase and DC Voltage Control Relays

Schneider Electric

Dimensions and Mounting
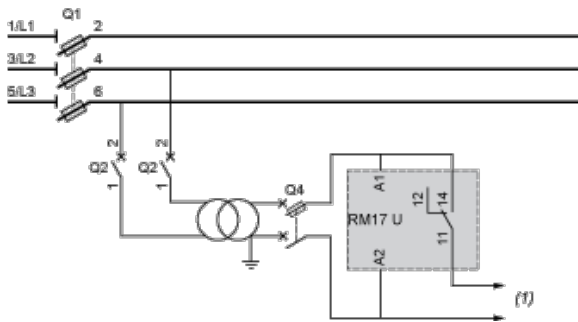
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Single-Phase and DC Voltage Control Relays

Wiring Diagram
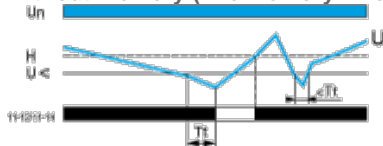

Application Scheme

(1) To sensitive loads

Function Diagrams

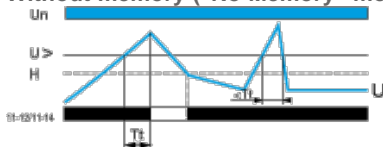**Undervoltage Control**

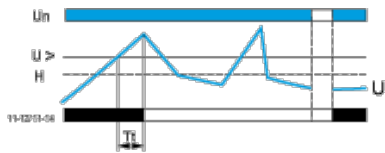**Without memory ("No Memory" mode)**

With memory ("Memory" mode)

Overvoltage Control

Without memory ("No Memory" mode)

With memory ("Memory" mode)

Schneider Electric

Legend

Tt Time delay after crossing of threshold

Un Nominal supply voltage

U Monitored supply voltage

H Hysteresis

U> Overvoltage threshold

U< Undervoltage threshold

11-12, 11-14 Output relay connections (refer to Connections and Schema)

Relay status: black color = energized.

NOTE: In "Memory" mode, the relay opens when crossing of the threshold is detected and then stays in that position. The power supply voltage must be switched off to reset the product.