



## Galvenā

Produkta sērija	Harmony Control Relays
Relay type	Voltage control relay
Produkta vai sastāvdaļas veids	3-phase control relay
Produkta specifiskais pielietojums	For 3-phase supply
Relay name	RM35UB3
Relay monitored parameters	Overvoltage and undervoltage between phases
Time delay	Adjustable 0.3...30 s, 0 + 10 % Tt- time delay upon fault
Switching capacity in VA	1250 VA
Measurement range	208...480 V AC
Kontaktligzdas tips	2 C/O

## Papildinošs

Reset time	1500 ms time delay
Maximum switching voltage	250 V AC/DC
Minimum switching current	10 mA 5 V DC
Maximum switching current	5 A AC/DC
Supply voltage limits	194...528 V AC
Power consumption in VA	0...22 VA 400 V AC 50 Hz
Control circuit frequency	50...60 Hz +/- 15 %
Voltage detection threshold	194 V
Output contacts	1 C/O + 1 C/O, 1 per threshold
Nominal output current	5 A
Hysteresis	2 %
Mērijumu precizitāte	+/- 10 % of the full scale value
Delay at power up	650 ms
Maximum measuring cycle	150 ms measurement cycle as true rms value
Threshold adjustment voltage	2...20 % of Un selected -12...-2 % in the range 220 V AC +2...+10 % in the range 480 V AC
Repeat accuracy	+/- 0.5 % input and measurement circuit +/- 1 % time delay
Measurement error	< 1 % over the whole range with voltage variation 0.05 %/°C with temperature variation
Response time	< 200 ms in the event of a fault)
Kvalitātes marķējums	CE
Insulation resistance	> 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1
Operating position	Any position without derating
Lokālā signalizēšana	Priekš barošana IESLĒGTA LED (zaļš) Priekš relay ON LED (dzeltens)
Overvoltage category	III IEC 60664-1
[Ui] rated insulation voltage	400 V IEC 60664-1

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Connections - terminals	Skrūvju spaiļas, 1 x 0.5...1 x 4 mm <sup>2</sup> AWG 20...AWG 11) ciets without cable end Skrūvju spaiļas, 2 x 0.5...2 x 2.5 mm <sup>2</sup> AWG 20...AWG 14) ciets without cable end Skrūvju spaiļas, 1 x 0.2...2 x 2.5 mm <sup>2</sup> AWG 24...AWG 12) elastīgs with cable end Skrūvju spaiļas, 2 x 0.2...2 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) elastīgs with cable end
Tightening torque	0,6...1 N.m IEC 60947-1
Korpusa materiāls	Self-extinguishing plastic
Montāžas stiprinājums	35 mm symmetrical DIN rail atbilst IEC 60715
Elektriskā izturība	10000 cikli
Mehāniskā izturība	30000000 cikli
Operating rate	<= 360 operations/hour full load
Utilisation category	AC-12 IEC 60947-5-1 AC-13 IEC 60947-5-1 AC-14 IEC 60947-5-1 AC-15 IEC 60947-5-1 DC-12 IEC 60947-5-1 DC-13 IEC 60947-5-1 DC-14 IEC 60947-5-1
[Un] rated nominal voltage	, self-powered
Safety reliability data	B10d = 300000 MTTFd = 319.6 years
Vadības veids	Without test button
Platums	35 mm
Neto svars	0,08 kg

## Vide

Electromagnetic compatibility	Emission standard for industrial environments conforming to IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to IEC 61000-6-3 Immunity for industrial environments conforming to NF EN/IEC 61000-6-2
Ambient air temperature for operation	-20...50 °C
Vibration resistance	0.35 mm 5...57,6 Hz)IEC 60068-2-6 1 gn 57,6...150 Hz)IEC 60255-21-1
Shock resistance	5 gn IEC 60068-2-27
Standarti	IEC 60255-1
Produkta sertifikācija	C-Tick[RETURN]GOST[RETURN]CSA[RETURN]GL[RETURN]UL
Apkārtējā gaisa temperatūra uzglabāšanai	-40...70 °C
Relative humidity	95 % 55 °C IEC 60068-2-30
IP degree of protection	IP20 IEC&nbsp;60529 terminals) IP30 IEC&nbsp;60529 casing)
Pollution degree	3 IEC 60664-1
Direktīvas	73/23/EEC - low voltage directive 89/336/EEC - electromagnetic compatibility
Dielectric test voltage	2 kV AC 50 Hz, 1 min
Non-dissipating shock wave	4 kV

## Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	4,500 cm
1. iepakojuma platums	7,800 cm
1. iepakojuma garums	9,700 cm
1. iepakojuma svars	133,000 g
Otrā iepakojuma vienības tips	S03
Vienību skaits 2. iepakojumā	48
2. iepakojuma augstums	30,000 cm
2. iepakojuma platums	30,000 cm
2. iepakojuma garums	40,000 cm
2. iepakojuma svars	6,649 kg

## Piedāvājiēt ilgtspēju

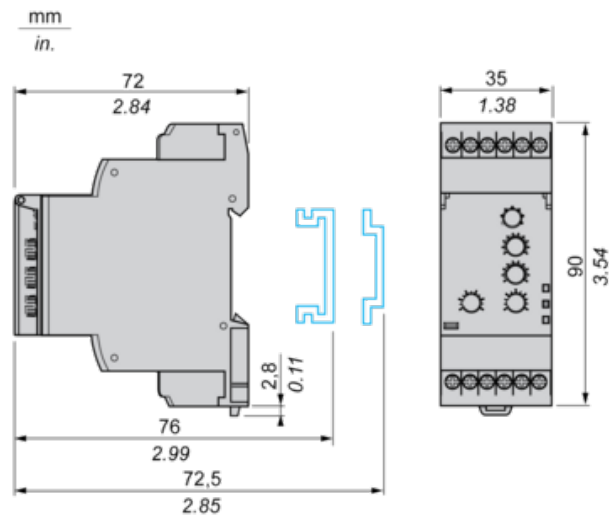
Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	<a href="#">REACH Deklarācija</a>
ES RoHS direktīva	Proaktīva atbilstība (uz izstrādājumu neattiecas ES RoHS juridiskās saistības)
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	<a href="#">Ķīnas RoHS Deklarācija</a>
Informācija par RoHS izņēmumiem	<a href="#">Jā</a>
Vides informācijas publicēšana	<a href="#">Produkta Ietekme Uz Vidi</a>
Cirkularitātes profils	<a href="#">Informācija Par Eksploatācijas Izbeigšanu</a>

## Līguma garantija

Garantija	18 months
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3-Phase Voltage Control Relays

Dimensions and Mounting

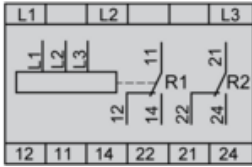


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3-Phase Voltage Control Relays

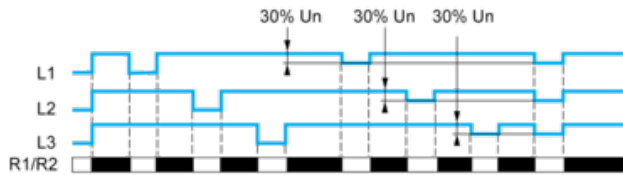
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Wiring Diagram

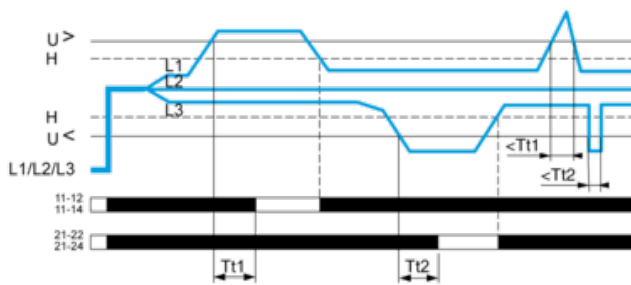


Function Diagrams

Phase Failure Detection (U measured < 0.7 x nominal supply voltage)



Control of Overvoltage and Undervoltage



Legend

- Un Nominal supply voltage
- Tt1 Overvoltage threshold delay (adjustable on front panel from 0.3 s to 30 s)
- Tt2 Undervoltage threshold delay (adjustable on front panel 0.3 s to 30 s)
- H Hysteresis
- U> Overvoltage threshold
- U< Undervoltage threshold
- L1, L2, L3 Phases of the supply voltage monitored
- 11-12, 11-14 R1 output relay connections (refer to Connections and Schema)
- 21-22, 21-24 R2 output relay connections (refer to Connections and Schema)
- Relay status: black color = energized.