



voltage control relay, Harmony Control Relays, 8A, 2CO, overvoltage or undervoltage detection, 15...500V AC DC, 24...240V AC DC

RM22UA33MR

Peamine

Tootevalik	Harmony Control Relays
Relay Type	Voltage control relay
Toote Või Komponenti Tüüp	Voltage control relay
Võrgu Faaside Arv	1 faas
Vooluahela Tüüp	DC
Relay Name	RM22UA
Relay Monitored Parameters	Undervoltage and overvoltage in window mode Overvoltage or undervoltage detection
Time Delay	Adjustable 0.1...30 s, +/- 10 % of the full scale value on crossing the threshold Tt
Switching Capacity In Va	2000 VA
Minimum Switching Current	10 mA 5 V DC
Maximum Switching Current	8 A AC
Power Consumption In Va	3,5 VA AC
Measurement Range	15...500 V voltage AC/DC 50/60 Hz
Utilisation Category	AC-15 IEC 60947-5-1 DC-13 IEC 60947-5-1 AC-1 IEC 60947-4-1 DC-1 IEC 60947-4-1
Kontaktide Tüüp Ja Koostis	2 C/O

Täiendav

Reset Time	1500 ms at maximum voltage
Maximum Switching Voltage	250 V AC
Supply Voltage Limits	20,4...264 V AC/DC
Maximum Power Consumption In W	1,5 W DC
Immunity To Microbreaks	10 ms
Resistance Across Terminals	150 kOhm E2-M terminals 300 kOhm E1-M terminals 500 kOhm E3-M terminals
Output Contacts	2 C/O
Nominal Output Current	8 A
Maximum Measuring Cycle	100 ms measurement cycle as true rms value

Suurim lubatud võrreldavate toodete arv on täis. Avage jaotis Võrrele tooteid #LNK# ja kustutage jätkamiseks mõni boode

Hysteresis	3 % fixed full scale for window mode 5...50 % adjustable threshold setting
Delay At Power Up	600 ms
Repeat Accuracy	+/- 0.5 % input and measurement circuit +/- 2 % time delay
Measurement Error	< 1 % over the whole range with voltage variation 0.05 %/°C with temperature variation
Response Time	<= 500 ms
Overvoltage Category	III IEC 60664-1
Insulation Resistance	> 100 MOhm 500 V DC
Insulation	Between supply and measurement
Connections - Terminals	Kruviklemmid, 2 x 0.5...2 x 2.5 mm² AWG 20...AWG 14) lahe without cable end Kruviklemmid, 2 x 0.2...2 x 1.5 mm² AWG 24...AWG 16) painduv with cable end Kruviklemmid, 1 x 0.5...1 x 3.3 mm² AWG 20...AWG 12) lahe without cable end Kruviklemmid, 1 x 0.2...1 x 2.5 mm² AWG 24...AWG 14) painduv with cable end
Tightening Torque	0,6...1 N.m IEC 60947-1
Korpuse Materjal	Self-extinguishing plastic
Paigaldustugi	35 mm DIN liistvastable IEC 60715
Elektriline Vastupidavus	100000 tsüklid
Mehaaniline Vastupidavus	10000000 tsüklid
Kontaktide Materjal	Cadmium free
Safety Reliability Data	MTTFd = 308.2 years B10d = 290000
Laius	22,5 mm
Netokaal	0,11 kg
Functionality	Undervoltage and overvoltage in window mode
Compatibility Code	RM22

Keskkond

Electromagnetic Compatibility	Immunity for residential, commercial and light-industrial environments conforming to IEC 61000-6-1 Immunity for industrial environments conforming to IEC 61000-6-2 Emission standard for residential, commercial and light-industrial environments conforming to IEC 61000-6-3 Emission standard for industrial environments conforming to IEC 61000-6-4 Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2 Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m level 3 conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test - test level: 4 kV level 4 (direct) conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test - test level: 2 kV level 4 (capacitive coupling) conforming to IEC 61000-4-4 Surge immunity test - test level: 4 kV level 4 (common mode) conforming to IEC 61000-4-5 Surge immunity test - test level: 2 kV level 4 (differential mode) conforming to IEC 61000-4-5 Conducted and radiated emissions class B group 1 conforming to CISPR 11 Conducted and radiated emissions class B conforming to CISPR 22
Standardid	IEC 60255-1

Toote Sertifikaadid	RCM UL EAC CSA CE GL CCC
Ladustamise Ümbritseva Õhu Temperatuur	−40...70 °C
Ambient Air Temperature For Operation	−20...50 °C 60 Hz −20...60 °C 50 Hz
Relative Humidity	93...97 % 25...55 °C IEC 60068-2-30
Vibration Resistance	0.075 mm 10...58,1 Hz) not in operation IEC 60068-2-6 1 gn 10...58,1 Hz) not in operation IEC 60068-2-6 0.035 mm 58,1...150 Hz) in operation IEC 60068-2-6 0.5 gn 58,1...150 Hz) in operation IEC 60068-2-6
Shock Resistance	15 gn 11 ms) not in operation IEC 60068-2-27 5 gn 11 ms) in operation IEC 60068-2-27
Ip Degree Of Protection	IP20 IEC 60529 terminals) IP40 IEC 60529 housing) IP50 IEC 60529 front panel)
Pollution Degree	3 IEC 60664-1
Dielectric Test Voltage	2,5 kV AC 50 Hz, 1 min IEC 60255-27

Pakendiüksused

Pakendi Tüüp 1	PCE
Ühikute Arv Pakendis 1	1
Package 1 Height	2,6 cm
Pakendi Laius 1	8,2 cm
Pakendi Pikkus 1	9,5 cm
Pakendi Kaal 1	122 g

Jätkusuutlikus

Green Premium™ ökomärgistus on Schneider Electricu kohustus pakkuda tooteid oma klassi parima keskkonnatoimega. Green Premium lubab järgida uusimaid määrusi, keskkonnamõjude läbipaistvust ning ringid- ja madala CO₂-heitega tooteid.

Toote jätkusuutlikkuse hindamise juhend on valge raamat, mis selgitab globaalseid ökomärgise standardeid ja seda, kuidas keskkonnadeklaratsioone tõlgendada.

[Juhis kaubandusliku toote jätkusuutlikkuse hindamiseks >](#)



Läbipaistvus RoHS/REACH

Heaolu tulemuslikkus

✓

Elavhõbedavaba

✓

Rohs Eranditeave

Jah

Sertifikaadid ja standardid

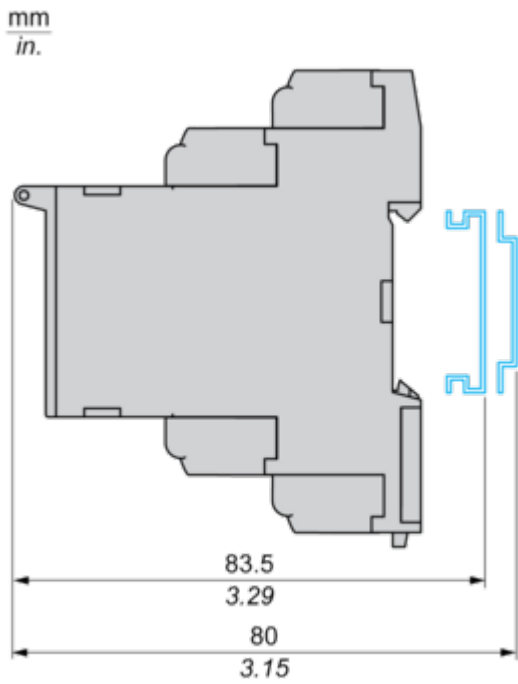
Reach-Määrus	REACH-deklaratsioon
Eli Rohs Direktiiv	Ennetav vastavus (toode ei jää EL-i RoHS seadustega määratud piiridesse)
Hiina Eohs Regulaatsioon	Hiina RoHS deklaratsioon
Keskkonnaalane Avaldus	Toote keskkonnaprofiil
Weee	Tootest tuleb Euroopa Liidu turgudel vabaneda vastavuses erijäätmeseadustele ning see ei tohi sattuda olmeprügi sekka.
Ringlusprofiil	Kasutuselt kõrvaldamise teave

Dimensions

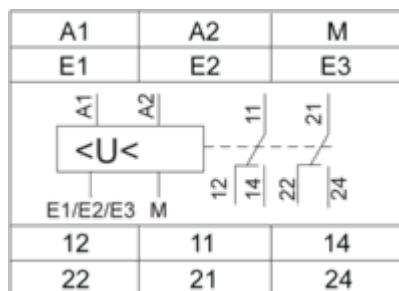


Mounting and Clearance

Rail Mounting



Voltage Measurement Relay

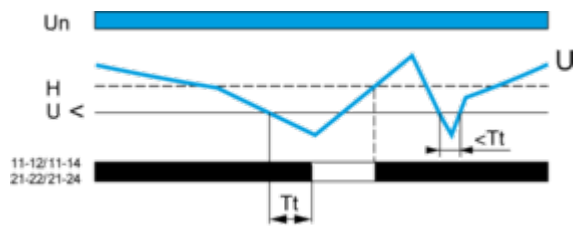


21-24,22 : 2nd C/O contact of output relay

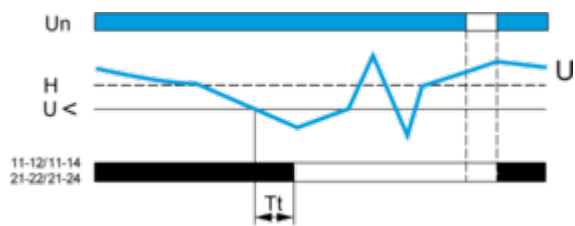
Function Diagrams

Undervoltage Control

Without memory ("No Memory" mode)

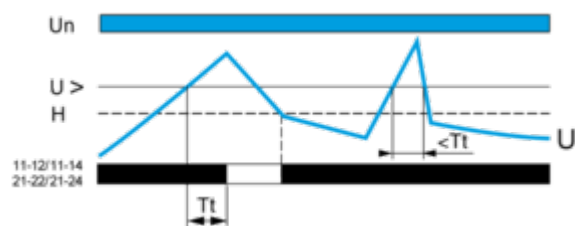


With memory ("Memory" mode)

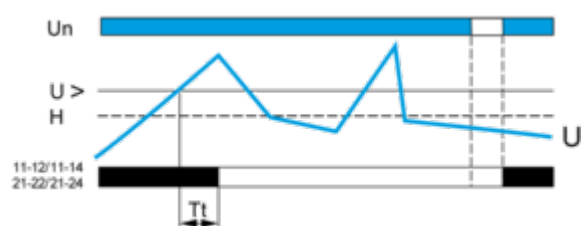


Overvoltage Control

Without memory ("No Memory" mode)



With memory ("Memory" mode)



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, 21-22/21-24 Output relay connections
- 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.

