Product data sheet

Specifications





voltage control relay, Harmony Control Relays, 5A, 2CO, range 15..600V, 24..240V AC DC

RM35UA13MW

Product availability: Stock - Normally stocked in distribution

Price*: 157.00 USD

Main

mann	
Range Of Product	Harmony Control Relays
Relay Type	Multifunction voltage control relay
Product Or Component Type	Voltage control relay
Relay Name	RM35UA
Relay Monitored Parameters	Overvoltage or undervoltage detection
Time Delay	Adjustable 0.330 s, 0 + 10 % Tt- time delay upon fault
Switching Capacity In Va	1250 VA
Measurement Range	15600 V AC/DC
Contacts Type And Composition	2 C/O

Complementary

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
Operating Voltage Tolerance	- 15 % + 10 % Un
Supply Voltage Limits	20.4264 V AC/DC
Power Consumption In Va	03.5 VA AC
Maximum Power Consumption In W	0.6 W DC
Control Circuit Frequency	4070 Hz +/- 10 %
Immunity To Microbreaks	10 ms
Resistance Across Terminals	150 mOhm E1-M terminals 300 mOhm E2-M terminals 600 mOhm E3-M terminals
Output Contacts	2 C/O
Nominal Output Current	5 A
Hysteresis	550 % threshold setting
Measurement Accuracy	+/- 10 % of the full scale value
Polarity	Non reversible polarity on DC supply
Delay At Power Up	600 ms
Maximum Measuring Cycle	30 ms measurement cycle as true rms value

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Repeat Accuracy	+/- 0.5 % input and measurement circuit +/- 2 % time delay
Measurement Error	+/- 0.05 %/°C with temperature variation < 1 % over the whole range with voltage variation
Sensitivity Scale	15150 V E1-M terminals 30300 V E2-M terminals 60600 V E3-M terminals
Threshold Setting	10100 %
Quality Labels	CE
Insulation Resistance	> 500 MOhm 500 V DC between supply and relay output IEC 60255-5 > 500 MOhm 500 V DC between measurement and relay output IEC 60664-1 > 1 MOhm 500 V DC between supply and measurement IEC 60255-5 > 500 MOhm 500 V DC between supply and relay output IEC 60664-1 > 500 MOhm 500 V DC between measurement and relay output IEC 60255-5 > 1 MOhm 500 V DC between supply and measurement IEC 60664-1
Operating Position	Any position without derating
Local Signalling	for power ON LED (green) for relay ON LED (yellow)
Overvoltage Category	III IEC 60664-1
[Ui] Rated Insulation Voltage	250 V IEC 60664-1 600 V IEC 60664-1
Connections - Terminals	Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end
Tightening Torque	5.318.85 lbf.in (0.61 N.m) IEC 60947-1
Housing Material	Self-extinguishing plastic
Mounting Support	35 mm symmetrical DIN rail conforming to IEC 60715
Electrical Durability	100000 cycles
Mechanical Durability	30000000 cycles
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	24240 V AC/DC 50/60 Hz, non self-powered
Safety Reliability Data	B10d = 290000 MTTFd = 308.2 years
Control Type	Without test button
Width	1.38 in (35 mm)
Net Weight	0.18 lb(US) (0.08 kg)
Environment	
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	-4122 °F (-2050 °C)
Vibration Resistance	0.35 mm 557.6 Hz)IEC 60068-2-6 1 gn 57.6150 Hz)IEC 60255-21-1

Shock Resistance	5 gn IEC 60068-2-27
Standards	IEC 60255-6
Product Certifications	GOST
	UL
	GL
	C-tick
	CSA
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Relative Humidity	95 % 131 °F (55 °C) IEC 60068-2-30
Ip Degree Of Protection	IP20 IEC 60529 terminals)
	IP30 IEC 60529 casing)
Pollution Degree	3 IEC 60664-1
Directives	73/23/EEC - low voltage directive
	89/336/EEC - electromagnetic compatibility
Dielectric Test Voltage	2 kV AC 50 Hz, 1 min IEC 60255-5
	2 kV AC 50 Hz, 1 min IEC 60664-1
Non-Dissipating Shock Wave	4 kV IEC 60255-5
	4 kV IEC 60664-1
	4 kV IEC 61000-4-5

Ordering and shipping details

Category	US10CP222380
Discount Schedule	0CP2
Gtin	3389119405317
Returnability	Yes
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	3.07 in (7.8 cm)
Package 1 Length	3.78 in (9.6 cm)
Package 1 Weight	4.80 oz (136.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	48
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	16.03 lb(US) (7.271 kg)

Contractual warranty

Warranty 18 months

Sustainability Screen Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

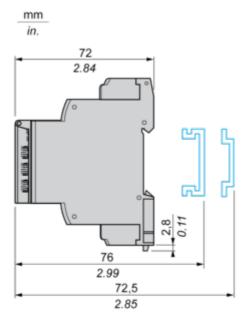
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Weee Circularity Profile	· · · · · · · · · · · · · · · · · · ·

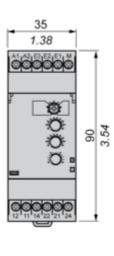
RM35UA13MW

Dimensions Drawings

Multifunction Voltage Control Relays

Dimensions and Mounting





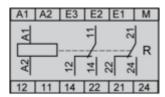
Product data sheet

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Connections and Schema

Multifunction Voltage Control Relays

Wiring Diagram



Product data sheet

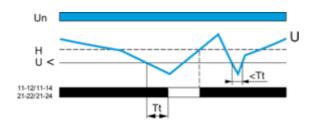
RM35UA13MW

Technical Description

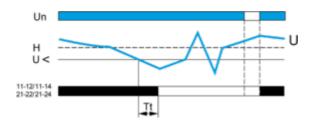
Function Diagrams

Undervoltage Control

Without memory ("No Memory" mode)

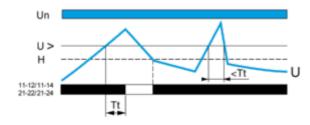


With memory ("Memory" mode)

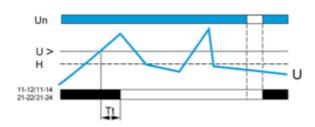


Overvoltage Control

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.