

Type:	RMV-112D <i>uni-line</i> undervoltage and overvoltage relays for 35 mm DIN rail or base mounting
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Technical specifications

* Measuring voltage (U_n):	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450-660-690V AC $\pm 20\%$ Load: 2k Ω /V (Note 1)
Permissible overvoltage:	1.2 x U_n , continuously. 2 x U_n for 10 s
Frequency range:	40...45...65...70Hz
* Nominal frequency: (f_n):	50Hz or 60Hz
* Outputs:	1 min. and 1 max. contact, 1 change-over switch per relay
Contact ratings:	250V-8A-2000VA (AC). 24V-8A-200W (DC). 200 x 10 ³ change-overs at resistive load.
Contact voltage:	Max. 250V (AC). Max. 150V (DC).
* Settings:	$\pm 20\%$ of U_n
* Time delay:	0.5...10 s
Hysteresis:	1...10% of U_n
Response time:	<100 ms.
* Supply voltage (U_n):	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450-660-690V AC $\pm 20\%$ (max. 3.5VA) 24-48-110-220V DC $-25/+30\%$ (max. 2W)

Note 1) Measuring voltage 660V AC and 690V AC only for units for AC supply voltage.

Type test specifications

Tested according to:

Insulation:	500V DC, >100M Ω	DNV, GL and LR
Vibration:	2...13.2Hz: 3 mm 13:2...100Hz: 1.0 g	IEC 60068-2-6 & IACS E10
Shock:	50 g, 11msec, half sine (in 3 directions)	IEC 60068-2-27, test: Ea
Climate:	97% RH	IEC 60068-2-30, test Db
Protection:	Case: IP40 Terminals: IP20	IEC/EN 60529
Temperature:	-10...55°C (nominal) -25...70°C (operating) -40...70°C (storage)	IEC 60068-2-1 IEC 60068-2-2 DNV, GL and LR
Test voltage:	3250V/2200V-50Hz-1 min between inputs and outputs	IEC/EN 61010-1 CAT III 600V Poll. degree 2
EMC:	Immunity	EN 61000-6-1/2 IEC 60255-26
	Emission	EN 61000-6-3/4 IEC 60255-26

*) Tested on all units according to specifications. Remaining specifications are tested regularly by test sampling.



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