

Type:	RMF-112D <i>uni-line</i> frequency 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: $2k\Omega/V$ (Note 1)
Permissible overvoltage:	$1.2 \times U_n$, continuously. $2 \times U_n$ 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). 200×10^3 change-overs at resistive load.
Contact voltage:	Max. 250V (AC). Max. 150V (DC).
* Optocoupler output:	System status off = failure.
* Settings:	$\pm 10\%$ of f_n
* Time delay:	0...10 s
Hysteresis:	0.25Hz
Response time:	<90 ms.
Temperature drift:	± 0.1 Hz per 10°C
* 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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