

Type:	RMC-142D <i>uni-line earth fault relay</i> for 35 mm DIN rail or base mounting
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Technical specifications	
* Meas. Range (I_n):	0.3-0.4-0.5-0.6-0.8-1.0-1.3-1.5-2.0-2.5-3.0-4.0-5.0A AC
* Adjusted range:	75...100% of I_n (e.g. 0.4, 0.45, etc.). (lowest meas. Range: 0.3A)
Max. Input current:	$4I_n$ continuously, $20I_n$ for 10 s (max. 75A), $80I_n$ for 1 s (max. 300A).
Frequency range:	40...50/60...70Hz
* 3rd harmonic reject:	Better than 18db.
* Hysteresis:	2% of full scale (F.S)
Response time:	< 50 ms.
* Earth current set point $iE>>$	(10...110%) of I_n .
* Earth current set point $iE>$	(2...20%) of I_n
* 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)

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	DNV, GL and LR, test 1
Shock:	6 attempts with 50 g (in 3 directions)	IEC 68-2-27, test: Ea
Climate:	HSE	DIN 40040
Protection:	Case: IP40 Terminals: IP20	IEC/EN 60529
Temperature:	-10...55°C (nominal) -25...70°C (operating) -40...70°C (storage)	DNV, GL and LR
Test voltage:	3250V-50Hz-1 min between inputs and outputs	IEC/EN 61010-1
EMC:	Immunity	SS4361503 – PL 4 , IEC 255-22-1...4 and EN 50082-1/2
	Emission	EN 50081-1/2

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

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