



DEIF A/S

Type certificate

4124030035A

Type:	RMC-131D <i>uni-line</i> differential current relays for 35 mm DIN rail or base mounting
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Technical specifications

* Measuring 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 ranges	75...100% of I_n
Frequency range:	40...45...65...70Hz
* Differential current:	0.04...0.4 x I_n .
Max. input current:	4 x I_n continuously, 20 x I_n for 10 s (max. 75A) 80 x I_n for 1 s (max. 300A)
Load:	Max. 0.3VA per phase.
* Contact outputs:	1 maximum contact
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).
Hysteresis:	2% of full scale (F.S.)
Response time:	<50 ms
Temperature drift:	Set point: max. 0.2% of full scale 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)

Type test specifications

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 all 3 axes)	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:	2200/3250V-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. All AC measurements are tested at 55Hz.
Remaining specifications are tested regularly by test sampling.



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