



-power in control

DEIF A/S

Type Certificate

4124010056B / ref. JCL

Type: Multi-instrument MIC-2 MKII, MIC-2 MII DIN

Technical specifications

Voltage measurement:	
* Nominal voltage U_N	Ph-N: 400 VAC, Ph-Ph.: 690 VAC
Measuring range	$0 \dots 1.2 \times U_N$
Withstand	3250Vac, 50/60Hz for 1 minute
Input impedance	2Mohm per phase
Current measurement:	
* Nominal current I_N	5 AAC
Measuring range	$0 \dots 1.2 \times I_N$
Withstand	$20 \times I_N$ for 1 s, 3250Vac, 50/60Hz for 1 minute
Frequency input:	
* Frequency	Nominal f_N 50/60 Hz. Meas. range: 45...65 Hz.
Accuracy:	
* Voltage and current meas.	0.2%
* Frequency	0.2%
Power factor	0.5%
Energy (kWh)	0,5%
Reactive energy (kVArh)	0,5%
Power demand	0.5%
Harmonic	5%
Aux. power supply:	
* Supply voltage	100~415VAC 50/60 Hz or 100-300VDC 5 W.
Other inputs/outputs	
* Digital inputs	Input voltage Range: 20~250VAC/DC, Input current 2mA
PSU for DI	24VDC/42mA
* Digital outputs	Voltage range 0~250VAC/DC, Load current 100mA (Max), Output frequency 25Hz
Relay outputs	Switching voltage (Max) 250VAC, 30VDC, Load current 3A Isolation voltage 2500V
Analog output	0~5V/1~5V, 0~20mA/4~20mA (Optional). Open circuit voltage 15V
Analog Input	0~5V/1~5V, 0~20mA/4~20mA (Optional)
* Communication	RS485, Ethernet (Optional), PROFI-BUS (Optional)

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Type test specifications
Tested according to:

Temperature:	-25...70°C (operating) -40...85°C (storage)	IEC 60068-2-1 IEC 60068-2-2
Climate:	5-95% non-condensing	IEC 60068-2-30, test Db
Vibration:	3...13.2Hz: 2mm _{pp} 13.2...100Hz: 0.7g	IEC 60068-2-6 & IACS UR E10
Safety:	Installation Cat.III 600V Pollution degree 2	EN 61010-1
EMC:		EN 61000-6-2/4 IACS UR E10 power distr. zone
Materials:	All plastic parts are self-extinguishing to UL94 (V0)	
Protection:	Front: IP52 Rear: IP30	IEC/EN 60529

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

 26th March 2015

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