ELM 4

DIGITAL MEASURING INSTRUMENTS

AMMETER FOR CURRENTS LINE OR DIFFERENTIAL CURRENTS

Ammeter for measuring differential or residual currents (up to four simultaneously) using a external toroidal or for the measurement of the line currents (possibly also separate lines between them) using appropriate external CT.

TECHNICAL CHARACTERISTICS		ELM-4
AUXILIARY SUPPLY		
Nominal voltage Us		110 - 230 - 400 VAC
Operating voltage range		±15%
Power consumption		3VA
Frequency		50 – 60 Hz
VOLTAGE INPUTS		
Measurement range		52...693VAC L-L (30...400VAC L-N)
Method of measuring		True RMS value
Measuring input impedance		1 MΩ
Method of connection		Single-phase, two-phase, three-phase orbalanced three-phase system
CURRENT INPUTS		
Reference current		5A
Measurement range		0,05...5A
Method of measuring		True RMS value
Overload capacity		+30% by an external current transformer
Self-consumption		< 0,5VA
ACCURACY		
Measures	**Voltage**	-
	Current	0,5%
	Power	-
	Frequency	-
	Active energy	-
INSULATION		
Insulation voltage		3kVAC for 1 minute
AMBIENT CONDITION		
Operating temperature		-10...+60°C
Storage temperature		-25...+80°C
HOUSING		
Version		Flush mount 96 x 96 mm
Degree of protection		IP52 on front - IP20 Housing and terminals
Weight		500g
CERTIFICATIONS AND COMPLIANCE		
Reference standards		IEC/EN 50081-2, IEC/EN 61000-6-2, IEC/EN 61010-1, IEC/EN 61036-1

OPTIONS	
ORDER CODE	DESCRIPTION
C1	Auxiliary supply 20÷60 VAC/DC
C2	Auxiliary supply 85÷230 VAC/DC
CT5	Current inputs by exteral CT 5A
CT1	Rated current inputs by external CT 1A
DO	2 digital outputs
A	1 analog output
COMMUNICATION PORTS	
485	RS485 serial interface

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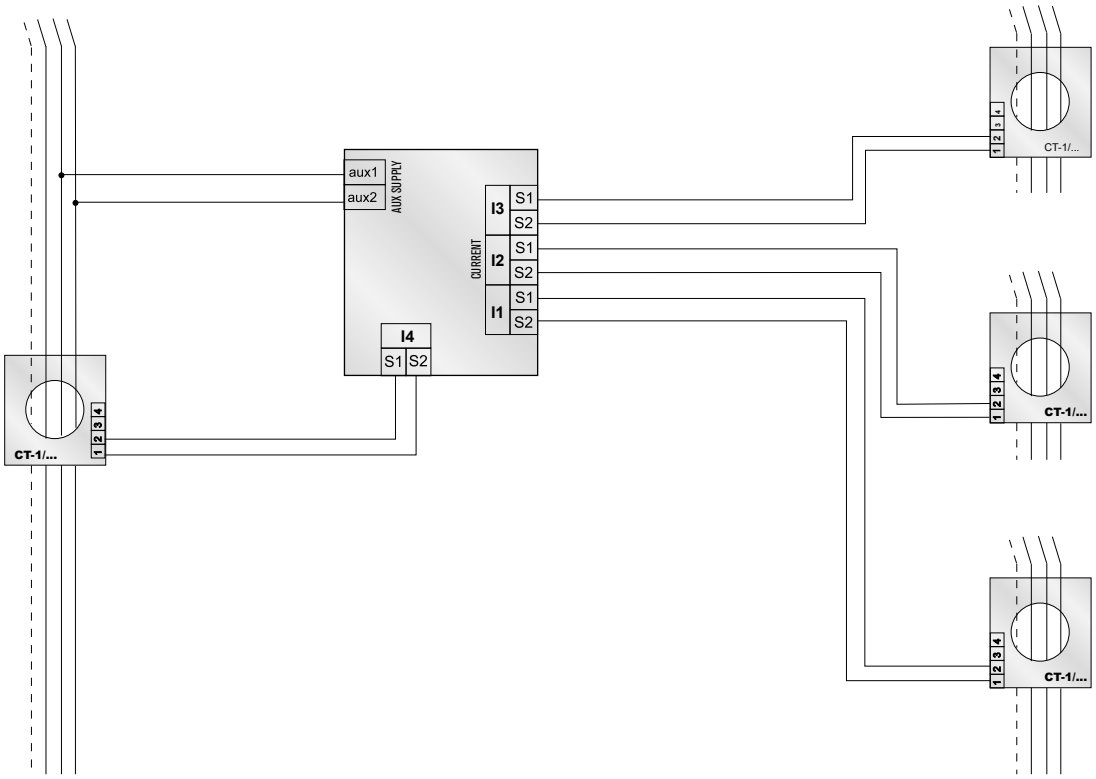
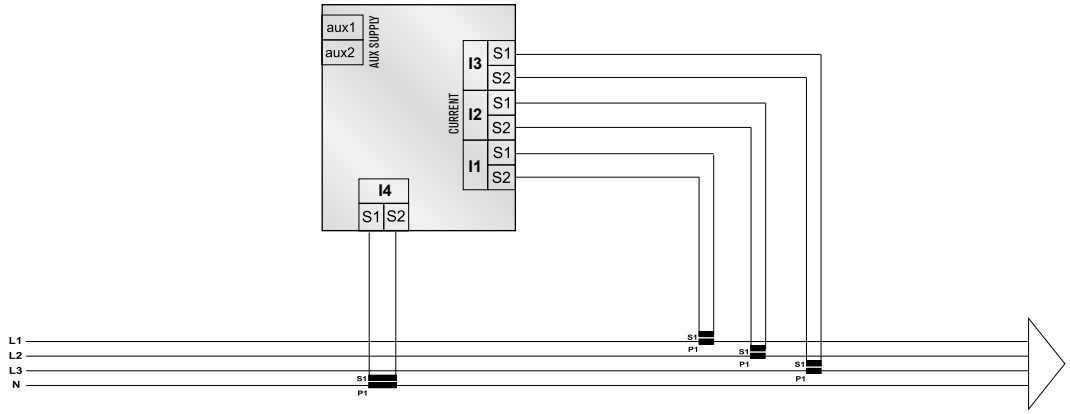
WIRING DIAGRAMS - **DIFFERENTIAL CURRENT INPUTS**



WIRING DIAGRAMS - **CURRENT INPUTS BY EXTERNAL CT**



MECHANICAL DIMENSIONS **ELM 4**