MICROIDEA®

PRODUCT CATALOGUE

2018



PRESENTAZIONE AZIENDALE

MICROIDEA®

Via Serio, 39 - 24021 ALBINO (BG) Italy – ☎ +39.035.773 925/15



Microidea srl è situata in Albino - BG - ed ha oltre 30 anni di esperienza nell'assemblaggio, studio e sviluppo di soluzioni per l'automazione industriale e prodotti personalizzati.

Noi sviluppiamo e prototipiamo su richiesta ogni tipo di asservimento hardware e software come inverter per energie rinnovabili, apparecchiature per la pulizia domestica ed industriale, sterilizzazioni in campo medicale, comunicazioni e nel settore ferroviario ed automobilistico.
Abbiamo anche una ns. linea dedicata di alimentatori, caricabatterie, timers e relè, apparecchiature per il controllo dell'energia reattiva, commutatori di rete per applicazioni industriali.

Siamo a vostra disposizione per ogni tipo di produzione ed assemblaggio (5000 mq di area produttiva) e per studiare e sviluppare per voi ogni nuovo progetto.

COMPANY PRESENTATION

+39.035.773 933 - microidea@microidea.it - www.microidea.it



Microidea srl is located in Albino - BG - has a 30 years experience in assembling, study and development of industrial automation products and custom projects.

We develop and prototype on demand every kind of servo-hardware/sw controls like inverters for renewable energy, domestic care, medical, communications, rail transport applications and automotive.
We also have our own line of power supply, battery chargers, timers and relay, power factor control and genset for every industrial applications.

We are at your disposal for every production and assembly need, (production area actually sizes 5000 square meters) and study and development for every new project.

EPFCB 7-13 STEPS LCD Power Factor Controllers

- THE MOST COMMON MEASUREMENTS AND MUCH MORE
- NEW FEATURES BESIDES TO THE ALL FEATURES OF PREVIOUS MODELS
- SEPARATE MEASURE FROM SUPPLY
- SYSTEM STATUS INSTANT VIEW
- IT ABLE TO OPERATE IN ALL FOUR-QUADRANTS
- LCD GRAPHIC DISPLAY, ALSO SHOWN THE V/A WAVEFORMS
- AVAILABLE LANGUAGES: ENGLISH, ITALIAN, SPANISH, RUSSIAN
- LIGHTED SILICON KEYBOARD
- COMMUNICATION PORTS: - RS485 MODBUS RTU
  - ETHERNET
- EXTERNAL NTC FOR CAPACITORS TEMPERATURE MONTORING
- SELF-EXTINGUISHED MATERIAL UL94 V0



AVAILABLE NEW PRODUCT NOW

RoHS 2 COMPLIANT

CE

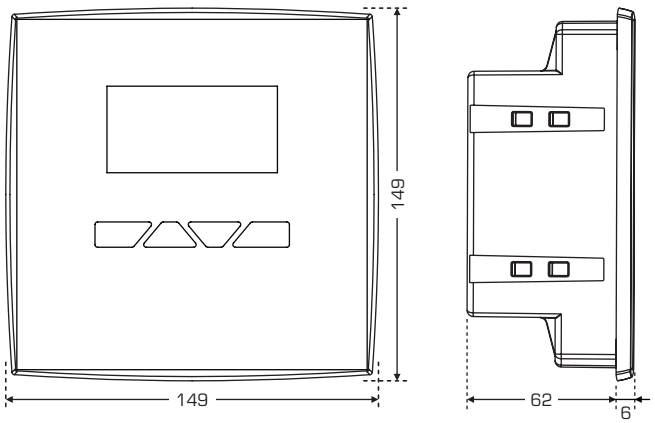
EU Directives - CE Marking:

> 2014/30/UE - EMC
> 2014/35/UE - LVD

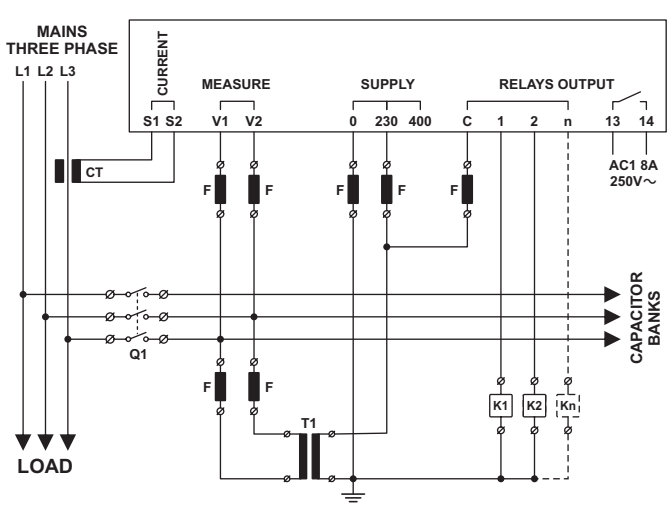
TECHNICAL DATA

	UNIT	EPFCB07	EPFCB13
Supply voltage AC	V~	230 - 400 (range 220 - 440)	
Operating Limits (Ue)	%	-15 / +10	
Nominal Frequency	Hz	50 - 60 (range 47 - 63)	
Power Consumption (max. AC)	VA	5.5	
Immunity Time For Microbreakings	ms	< 30	
Display Type	-	64x128 Dot Matrix LCD COG	
Rated Current (CT)	A	1 or 5	
Voltage Reading Limits (N/Lx)	V~	10 - 460	
Current Reading Limits (CT)	A	0.020 - 5.5	
Measuring Values	-	True RMS	
Power Factor Correction	-	0.85 Ind - 0.95 Cap (operates in all Four-Quadrants)	
FFT - Harmonic Spectrum	THD %	64 st	
Number of Output	Relay	7	13
Serial Interface	-	RS-485 (not insulated)	
Communication Protocol	-	Owner - Modbus RTU or TCP/IP	
Working temperature	°C	-10 / +50	
Storage temperature	°C	-30 / +70	
Electrical Insulation	kV	4	
Overvoltage Category	-	II	
Protection degree	IP	41 Front Cover - 20 Terminal Block Connections	
Pollution degree	-	2	
Relative Humidity w/o cond.	RH%	90	
Altitude up to	m	2000	
Weight	g	650	730
Dimensions	mm	149 x 149 x 68	

DIMENSIONS (mm)



WIRING DIAGRAM



Microidea reserves the right to bring modifications to this documentation and the products described without some obligation of reporting.