

Models Available ECOS12B Single Phase ECOS33B 3 Phase Balanced

Product Features

- Isolated DC mA or DC voltage output
- Accuracy class 0.5
- Adjustable 'span' and 'zero'
- DIN rail mounting enclosure
- 4kV rms 50Hz 1 minute isolation between input / output / case / (auxiliary)
- Screw type terminals
- Fingerproof terminal cover included

Power Factor (cosØ) Transducers

Power factor transducers measure the cosine of the phase angle between the current and the voltage. The transducer output is either a DC mA or DC voltage which is directly proportional to the cosine of the phase angle between the input current and voltage.

These can be used for monitoring and optimising power factor correction systems. All power factor transducers are available self powered or powered from a large choice of AC or DC auxiliary power options.

The 4kV isolated output signals can then be fed to analogue meters, digital meters, PLC's or building management systems.

For converting power factor to a proportional DC mA or DC voltage output

Connections

Specification

Reference Standard:

- IEC 688, BS 6253, VDE/VDI 2191

Accuracy:

- Class 0.5 (±0.5% f.s. max. error down to 10% f.s.)

Input Voltage, Un:

- 50V to 550V direct connected
- or VT operated

Input Current, In:

- 0-0.7A to 0-7.5A direct connected
- 0-1A or 0-5A CT operated

Overload:

- 1.2 x Un, 2 x In continuous
- 1.5 x Un, 30 x In for 1 second

Working Range:

- 20 120% Un (auxiliary powered)
- 80 120%Un (self powered)
- 5 120%*ln*

Frequency:

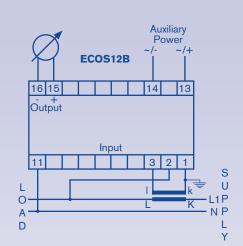
- 50 or 60Hz

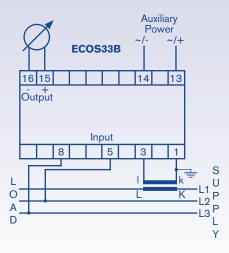
Burden:

- Current circuit < 0.3VA
- Voltage circuit < 0.2VA (aux. powered)
- Voltage circuit < 3VA (self powered)

Weight:

- ECOS12B, ECOS33B 700g





Web: www.eltime.co.uk

Ordering information

Model	Code	Description
	ECOS12B	Single Phase
	ECOS33B	3 Phase Balanced
Input Power Factor	Code	Description
	A0.5	cosØ: 0.5 - 1 - 0.5
A1 AX	A1	cosØ: 0 - 1 - 0
	AX	cosØ: specify range
Input Voltage	Code	Description

input voltage	oouc	Description	
	P1	110Vac	
	P2	230Vac	
	P3	415Vac	
	PX	50 to 550Vac (specify)	

Input Current	Code	Description
	C1	1 Amp
	C5	5 Amp
	CX	0.5 to 7.5 Amps direct (specify)

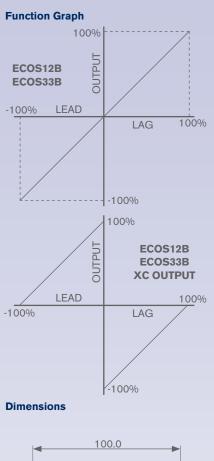
Auxiliary Power	Code	Description
	EO	Self Powered
	E1	110Vac (±20%)
	E2	230Vac (±20%)
	E3	415Vac (±20%)
	E4	63.5Vac (±20%)
	E5	24Vdc (±20%)
	E6	48Vdc (±20%)
	E7	110Vdc (±20%)
	E10	220Vdc (±20%)

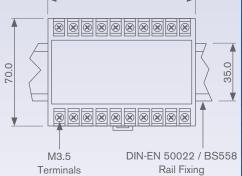
Output	Code	Description
	X1	±1mA
	X2.5	±2.5mA
	X5	±5mA
	X10	±10mA
	X10B	0-5-10mA
	X20	±20mA
	XB	4-12-20mA
	XV	±Voltage (specify up to 15Vdc)
	XC	0 to +10/-10 to 0mA

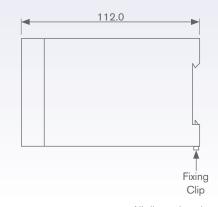
Input Frequency	Code	Description	
	F50	50Hz	
	F60	60Hz	

Example

ECOS33B - A1 - P1- C5 - E1 - XB - F50







All dimensions in mm