

### DATI TECNICI

classe di precisione  
 campo di ingresso <sup>(1)</sup>  
 tempo di risposta  
 ondulazione residua  
 sovraccarico permanente  
 sovraccarico di breve durata (300msec.)  
 frequenza di riferimento  
 consumo circuiti di corrente  
 consumo circuiti di tensione  
 temperatura di funzionamento  
 temperatura di magazzino  
 custodia in materiale  
 termoplastico autoestinguente  
 isolamento galvanico  
 tensione di prova  
 prova impulsiva  
 conforme a

### TECHNICAL DATA

accuracy class  
 input range <sup>(1)</sup>  
 response time  
 residual ripple  
 continuous overload  
 short-term overload (300msec.)  
 reference frequency  
 current circuits consumption  
 voltage circuits consumption  
 operating temperature  
 storage temperature  
 self extinguishing  
 thermoplastic material  
 galvanic insulation  
 p. supply/inputs/outputs  
 test voltage  
 surge test  
 according to

1 (0.5 a rich./on req.)  
 0...120% Un, In <sup>(1)</sup>  
 < 200msec  
 < 1% p.p.  
 2 x In; 1.2 x Un  
 20 x In; 2 x Un  
 50 o/or 60Hz  
 < 0.5VA  
 < 0.5VA  
 -10...0...+45...+50°C  
 -30...+70°C  
 UL 94-V0  
 alim./ingressi/uscite  
 2kV, 50Hz, 60sec.  
 5kV, 1.2/50 µsec.  
 EN 60688

Codice - Code	A	B	Peso - Weight
MCOEAQ - MCOEVQ	45	32	0,150
Altri tipi - Other types	100	87	0,750

**NOTE:**  
 (1) Campo di variazione ammesso per gli ingressi, all'interno del quale è specificata la precisione  
 (2) Non fornibili con opzione RS485 MODBUS

**NOTES:**  
 (1) Allowed range of inputs, in which the accuracy is specified.  
 (2) Not available with RS485 MODBUS option

TIPO - TYPE	CODICE - CODE	
	CORRENTE CURRENT	TENSIONE VOLTAGE
1 Ingresso / 1 Uscita 1 Input / 1 Output	MCOEAQ	MCOEVQ
1 Ingressi / 2 Uscite (Duplicatore) <sup>(2)</sup> 1 Input / 2 Outputs (Duplicator) <sup>(2)</sup>	MCOEQ2S	MCOEV2S
1 Ingressi / 3 Uscite (Triplificatore) <sup>(2)</sup> 1 Input / 3 Outputs (Tripling type) <sup>(2)</sup>	MCOEQ3S	MCOEV3S
2 Ingressi / 2 Uscite 2 Inputs / 2 Outputs	MCOEQ2	MCOEV2
2 Ingressi (1 corrente + 1 tensione) / 2 Uscite 2 Inputs (1 current + 1 voltage) / 2 Outputs	MCOEAV	
3 Ingressi / 3 Uscite 3 Inputs / 3 Outputs	MCOEQ3	MCOEV3
3 Ingressi (V <sub>L1-L2</sub> , V <sub>L2-L3</sub> , V <sub>L1-L3</sub> ) / 3 Uscite 3 Inputs (V <sub>L1-L2</sub> , V <sub>L2-L3</sub> , V <sub>L1-L3</sub> ) / 3 Outputs		MCOED3
3 Ingressi (V <sub>L1-N</sub> , V <sub>L2-N</sub> , V <sub>L3-N</sub> ) / 3 Uscite 3 Inputs (V <sub>L1-N</sub> , V <sub>L2-N</sub> , V <sub>L3-N</sub> ) / 3 Outputs		MCOET3
3 Ingressi / 1 Uscita = somma o media ingressi <sup>(2)</sup> 3 Inputs / 1 Output = input sum or average <sup>(2)</sup>	MCOES3	MCOEY3
3 Ingressi (V <sub>L1-L2</sub> , V <sub>L2-L3</sub> , V <sub>L1-L3</sub> ) / 1 Uscita = somma o media ingressi <sup>(2)</sup> 3 Inputs (V <sub>L1-L2</sub> , V <sub>L2-L3</sub> , V <sub>L1-L3</sub> ) / 1 Output = input sum or average <sup>(2)</sup>		MCOEDS
3 Ingressi (V <sub>L1-N</sub> , V <sub>L2-N</sub> , V <sub>L3-N</sub> ) / 1 Uscita = somma o media ingressi <sup>(2)</sup> 3 Inputs (V <sub>L1-N</sub> , V <sub>L2-N</sub> , V <sub>L3-N</sub> ) / 1 Output = input sum or average <sup>(2)</sup>		MCOETS

### DATI PER L'ORDINAZIONE

- codice
- ingresso
- frequenza di funzionamento
- uscita
- alimentazione
- opzioni (vedi pag. 6.2)

### ORDERING INFORMATION

- code
- input
- operating frequency
- output
- aux. supply voltage
- options (see page 6.2)

INGRESSI INPUTS	Valore nominale Nominal value	In 1 ÷ 5A	Un 50 ÷ 440V;
FREQUENZA DI FUNZIONAMENTO OPERATING FREQUENCY		50Hz; 60Hz	
USCITE OUTPUTS	Valore nominale (carico massimo) Nominal value (maximum load)	<b>0-1mA</b> (15kΩ); <b>0-5mA</b> (3kΩ); <b>0-20mA</b> (750Ω); <b>4÷20mA</b> (750Ω); <b>0-10V</b> (>2kΩ).	
	Standard	Va.c. (±10%, 45÷65Hz, 6VA) 115 - 230 V	
ALIMENTAZIONE AUX. SUPPLY VOLTAGE	A richiesta con sovrapprezzo On demand with extraprice	Va.c. (±10%, 45÷65Hz, 6VA)	24V; 48V; 400V
		Vd.c. (-15...+20%, 6W)	24V; 48V; 110V; 220V
		Va.c./d.c. (6VA/6W)	20÷60V; 80÷260V

## DESCRIZIONE

Questi convertitori sono adatti per la misura del valore efficace di tensioni o correnti con forme d'onda sinusoidali non distorte.

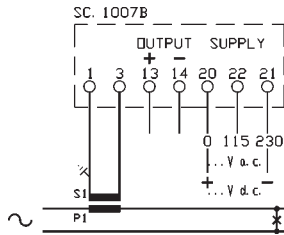
Le uscite sono in corrente o tensione continua, indipendenti dal carico, proporzionali alla misura effettuata; nei tipi che dispongono di 2 o 3 uscite, queste possono essere di tipo differente (es. 0...5mA, 0...10V, 4...20mA).

## DESCRIPTION

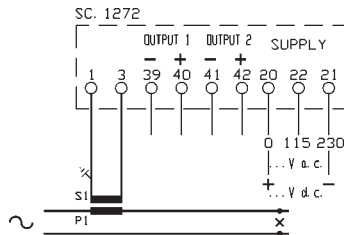
These transducers are suitable to measure the rms value of currents or voltages with sinusoidal undistorted waveforms.

The outputs are load independent d.c. current or voltage, proportional to the input variable; when 2 or 3 outputs are present at the same time, they can be of different type (i.e. 0...5mA, 0...10V, 4...20mA).

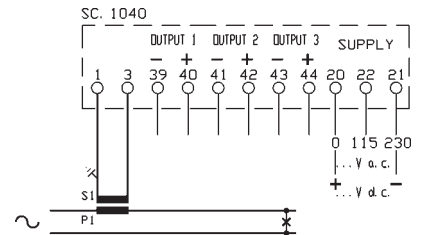
## SCHEMI DI INSERIMENTO - WIRING DIAGRAMS



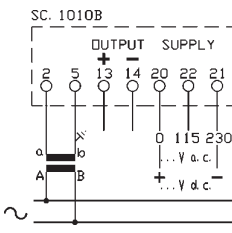
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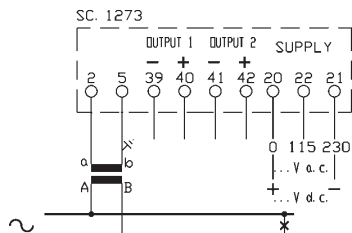
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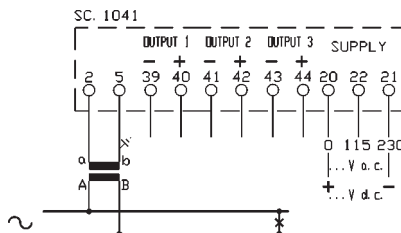
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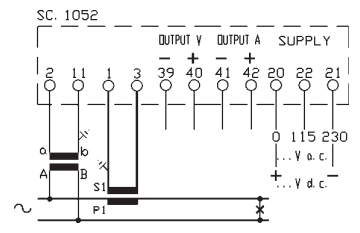
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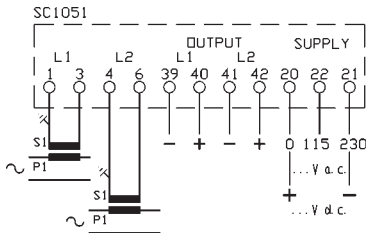
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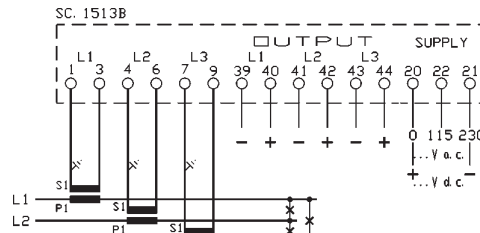
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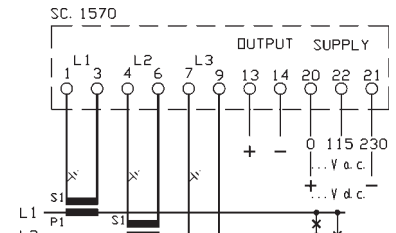
MCOEAV



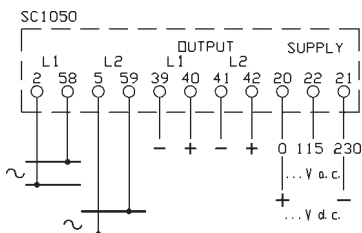
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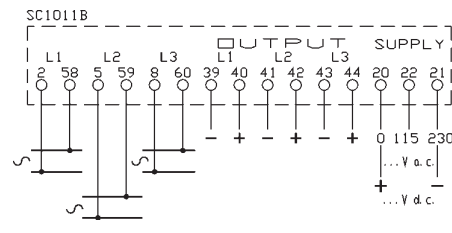
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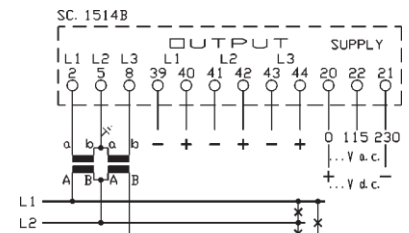
MCOES3



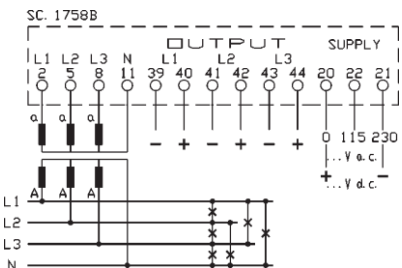
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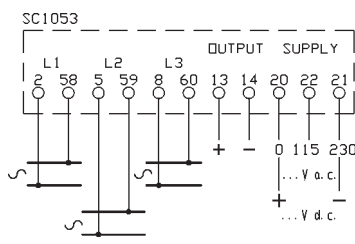
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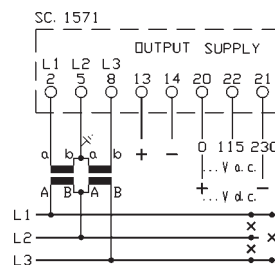
MCOED3



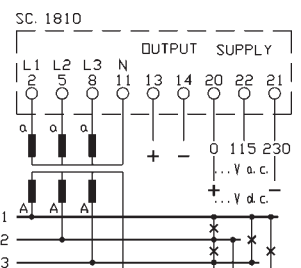
MCOET3



MCOEY3



MCOEDS



MCOETS

# NOTES