

Converter which outputs DC signal proportional to the AC current signals  
CTE type is RMS value operation method, this converter ensures high reliability against distorted waves.

Features

- ★ Low ripple output suitable for input to digital equipment
- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Space-saving by this dimensions and side by side installation
- ★ CTE type is effective for distorted waves
- ★ Easy maintenance by plug-in structure

Ordering code

WGP- [ ] [ ] [ ] - [ ] [ ] [ ] - [ ]

Code	Signal type
CTA	CT Converter, Rectifier type
CTE	CT Converter, True-RMS type

Code	Input	Input loss
24	0~1AAC	Approx. 0.45VA
25	0~5AAC	Approx. 0.45VA
26	0~1A, 0~5A AC	Approx. 0.45VA
99	Contact us for other than the above	

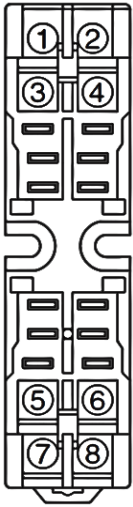
Code	Output	Allowable Load
A	4 to 20mA <sub>dc</sub>	750Ω or less
B	1 to 5mA <sub>dc</sub>	3kΩ or less
C	2 to 10mA <sub>dc</sub>	1.5kΩ or less
D	0 to 1mA <sub>dc</sub>	15kΩ or less
E	0 to 10mA <sub>dc</sub>	1.5kΩ or less
F	0 to 16mA <sub>dc</sub>	937Ω or less
G	0 to 20mA <sub>dc</sub>	750Ω or less
H	1 to 5V <sub>dc</sub>	2.5kΩ or more
J	0 to 10mV <sub>dc</sub>	10kΩ or more
K	0 to 100mV <sub>dc</sub>	100kΩ or more
L	0 to 1V <sub>dc</sub>	500Ω or more
N	0 to 5V <sub>dc</sub>	2.5kΩ or more
P	0 to 10V <sub>dc</sub>	5kΩ or more
S	Contact us for other than the above Current output 20mA or less Voltage output 10V or less	

Code	Power Supply
1	80 to 132Vac (Rated value 100-120V) 50/60Hz
2	170 to 264Vac (Rated value 200-240V) 50/60Hz
3	24V <sub>dc</sub> ±10%
7	48V <sub>dc</sub> ±10%
8	110V <sub>dc</sub> ±10%

Specifications

Input signal	AC current
Output signal	DC current / voltage
Accuracy	±0.2% FS (at 23°C)
Response time	Approx. 500ms ( 0 to 90%)
Input loss	Approx. 0.45VA or less
Allowed excessive input	1000%FS 5sec
Allowable load resistance	Current output 15V or less of voltage drop between output terminal Voltage output Load current 2mA or less For 1V FS or less of output the current is 1μA or less
Zero & span adjustment	±10% FS (3 turn trimmer)
Output ripple	0.25% (p-p) FS or less
Rated frequency	45Hz to 500Hz
Operating temperature	-5 to +55°C
Operating relative humidity	90% or less (non-condensing)
Temperature coefficient	±0.015% FS of span per °C
Insulation resistance	100MΩ or more with a 500V <sub>dc</sub> megger Between input, output, and power supply terminal
Dielectric strength	2000Vac for 1 minute
Power consumption	Approx. 4.5VA (AC), Approx. 90mA (DC)
Power supply variation	±0.1% FS (within the range of rated voltage)
Protector	Standard equipment
Dimensions	127(H) X 25.6(W) X 136.5(D)mm
Weight	Approx. 200g
Structure	Plug-in
Connection	M3.5 SEMS screw part of the base socket
Case color and material	Ivory, heat-resistant ABS resin(94V-0)
Mounting	DIN rail or wall surface

Terminal connections



No	Signal	Description
1	INPUT(~)	Input
2	INPUT(~)	
3	NC	No connection
4	NC	
5	OUTPUT(+)	Output
6	OUTPUT(-)	
7	POWER U(+)	Power Supply
8	POWER V(-)	

\* Specification is subject to change without notice