



(Unit : mm)

This plug-in converter (isolator) accepts AC voltage or current input and provides optically isolated DC voltage or current output. It amplifies and converts the selected AC input to the selected DC output.

Features

- ★ Wide zero & span adjustment $\pm 20\%$ full scale
- ★ Compatible with maximum 60°C operating temperature
- ★ Both AC and DC power supply are available.
- ★ Easy maintenance by plug-in structure.

Ordering code

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Code	Description	
CTA	CT converter (Isolated)	Rectifier type
CTE		True-RMS type
PTE	PT converter (Isolated)	

Code	Input	Span Ad. Range
24	0 to 1Aac	Range for CT converter
25	0 to 5Aac	
55	0 to 100Vac	Range for PT converter
56	0 to 110Vac	
57	0 to 150Vac	
58	0 to 200Vac	
59	0 to 250Vac	
99	Contact us for other than the above	

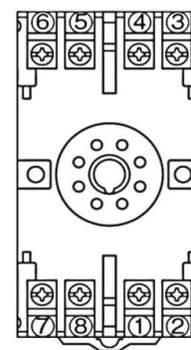
Code	Output	Allowable Load
A	4 to 20mAdc	750 Ω or less
B	1 to 5mAdc	3k Ω or less
C	2 to 10mAdc	1.5k Ω or less
D	0 to 1mAdc	15k Ω or less
E	0 to 10mAdc	1.5k Ω or less
F	0 to 16mAdc	937 Ω or less
G	0 to 20mAdc	750 Ω or less
H	1 to 5Vdc	2.5k Ω or more
J	0 to 10mVdc	10k Ω or more
K	0 to 100mVdc	100k Ω or more
L	0 to 1Vdc	500 Ω or more
N	0 to 5Vdc	2.5k Ω or more
P	0 to 10Vdc	5k Ω or more
R	$\pm 10\text{Vdc}$	5k Ω or more
S	Contact us for other than the above Current output 20mA or less Voltage output 10V or less	

Code	Power Supply
1	100Vac $\pm 10\%$ 50/60Hz
2	200Vac $\pm 10\%$ 50/60Hz
3	24Vdc $\pm 10\%$
4	110Vac $\pm 10\%$ 50/60Hz
5	220Vdc $\pm 10\%$ 50/60Hz

Specifications

Accuracy	$\pm 0.2\%$ FS (at 23°C)
Allowable load resistance	Current output 15V or less of voltage drop between output Voltage output Load current 2mA or less For 1V FS or less of output the current is $1\mu\text{A}$ or less
Zero & span adjustment	$\pm 20\%$ FS (multi-turn trimmer)
Operating temperature	-5 to $+60^{\circ}\text{C}$
Operating relative humidity	90% or less (non-condensing)
Temperature coefficient	$\pm 0.015\%$ FS of span per $^{\circ}\text{C}$
Insulation resistance	100M Ω or more with a 500Vdc megger Between input, output, and power supply terminal
Dielectric strength	2000Vac for 1 minute
Power consumption	Approx. 4VA (AC), Approx. 120mA (DC)
Dimensions	CTA, CTE : 117(H) X 51(W) X 126(D)mm PTE : 97(H) X 51(W) X 126(D)mm
Weight	Approx. 400g
Structure	Plug-in
Connection	M3.5 SEMS screw part of the base socket
Material of terminal screw	Chromated iron
Case color and material	Ivory, heat-resistant ABS resin(94V-0)
Mounting	DIN rail or wall surface

Terminal connections



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

* Specification is subject to change without notice