

This compact plug-in converter accepts AC voltage or current input and provides optically isolated DC voltage or current output. Since WSP-EZ type adopts the true root-mean-square value operation system, it ensures particularly high reliability against distorted waves.

### Features

- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Allows the user to downsize the system by compact size and side by side installation
- ★ Both AC and DC power supply are available
- ★ Accuracy at 0.2% FS, Response time 500ms
- ★ Easy to maintain by plug-in structure
- ★ RoHS compliant

### Ordering code

WSP- [ ] - [ ] - [ ] - [ ]

Code	Signal type
AZ	AC Signal converter, Rectifier type
EZ	RMS Converter, True-RMS type

Code	Input	Input Resistance
13	0 to 1Vac	1MΩ
14	0 to 10Vac	1MΩ
15	0 to 100Vac	1MΩ
16	0 to 110Vac	1MΩ
18	0 to 200Vac	1MΩ
19	0 to 250Vac	1MΩ
20	0 to 1mAac	100Ω
21	0 to 10mAac	50Ω
22	0 to 20mAac	50Ω
23	0 to 100mAac	10Ω
99	Contact us for other than the above Full Scale Range: AC 50mV to 300V, AC 1mA to 100mA	

Code	Output	Allowable Load
A	4 to 20mA <sub>dc</sub>	750Ω or less
D	0 to 1mA <sub>dc</sub>	15kΩ or less
E	0 to 10mA <sub>dc</sub>	1.5kΩ or less
G	0 to 20mA <sub>dc</sub>	750Ω or less
H	1 to 5V <sub>dc</sub>	1kΩ 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>	200Ω or more
N	0 to 5V <sub>dc</sub>	1kΩ or more
P	0 to 10V <sub>dc</sub>	2kΩ or more
S	Contact us for other than the above Current output 20mA or less Voltage output 10V or less	

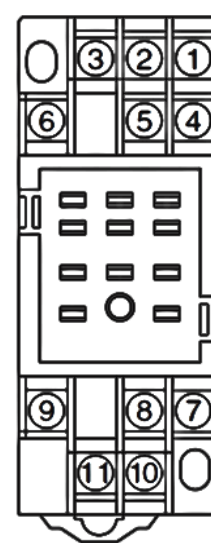
Code	Test Report
X	None
T	With Test report

Code	Power Supply
A	90 to 264Vac 50/60Hz
D	10.8 to 26.4V <sub>dc</sub>
8	90 to 121V <sub>dc</sub>

### Specifications

<b>Accuracy</b>	±0.2% FS (at 23°C)
<b>Response time</b>	Approx. 500ms (0 to 90%)
<b>Allowable load resistance</b>	Current output 15V or less of voltage drop between output terminal Voltage output Load current 5mA or less For 1V FS or less of output the current is 1μA or less
<b>Zero &amp; span adjustment</b>	±5% FS (1 turn trimmer)
<b>Output ripple</b>	±0.25% (p-p) FS
<b>Input condition</b>	Rated frequency 20 to 500Hz Waveform and frequency components : AZ type : Sine wave EZ type : Sine wave and distorted wave
<b>Operating temperature</b>	-5 to +55°C
<b>Operating relative humidity</b>	90% or less (non-condensing)
<b>Temperature coefficient</b>	±0.015% FS of span per °C
<b>Isolation</b>	Between input, output, and power supply
<b>Insulation resistance</b>	100MΩ or more with a 500V <sub>dc</sub> megger Between input, output, and power supply terminal
<b>Dielectric strength</b>	2000Vac for 1 minute
<b>Power consumption</b>	Approx. 4.5VA (AC), Approx. 60mA (24V <sub>dc</sub> )
<b>Power supply variation</b>	±0.1% FS (within the range of rated voltage)
<b>Dimensions</b>	84(H) X 29.5(W) X 106.5(D)mm
<b>Weight</b>	Approx. 150g
<b>Structure</b>	Plug-in
<b>Connection</b>	M3 SEMS screw part of the base socket
<b>Material of terminal screw</b>	Chromated iron
<b>Case color and material</b>	Ivory, heat-resistant ABS resin(94V-0)
<b>Mounting</b>	DIN rail or wall surface

### Terminal connections



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

\* Specification is subject to change without notice