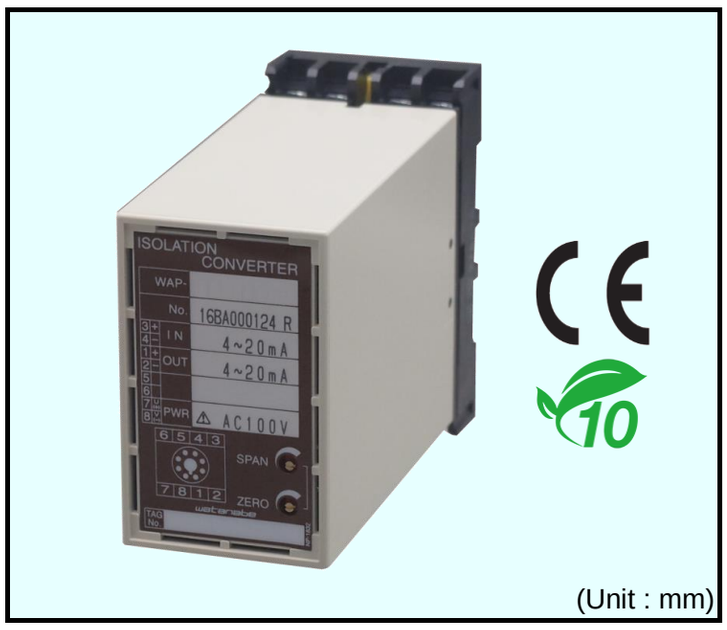
High-speed isolator

WAP-DE



(Unit : mm)

This plug-in, high-speed response type converter (isolator) provides signal output which is mutually isolated between input, output and power-supply. It amplifies and converts various kinds of signal with isolation to use in the integrated instrumental control system. It is highly effective as noise countermeasures.

Features

★ High-speed Response time 500μs
★ Fine zero & span adjustment by 25 turn trimmer
★ Safe design by dielectric strength of 3000Vac
★ CE approved
★ Easy maintenance by plug-in structure

Ordering code

WAP- D E - □ □ □ - □

Code	Model
DE	Response time 500μs

Code	Input	Input Resistance
10	0 to 10mVdc	1MΩ
11	0 to 100mVdc	1MΩ
12	0 to 1Vdc	1MΩ
13	0 to 5Vdc	1MΩ
14	1 to 5Vdc	1MΩ
15	0 to 10Vdc	1MΩ
16	0 to 50mVdc	1MΩ
17	0 to 60mVdc	1MΩ
20	±10mVdc	1MΩ
21	±50mVdc	1MΩ
22	±100mVdc	1MΩ
23	±1Vdc	1MΩ
24	±5Vdc	1MΩ
25	±10Vdc	1MΩ
30	0 to 10μAdc	1kΩ
31	0 to 100μAdc	100Ω
32	0 to 1mAdc	100Ω
33	0 to 10mAdc	50Ω
34	0 to 16mAdc	50Ω
35	0 to 20mAdc	50Ω
36	4 to 20mAdc	50Ω
40	±1mAdc	100Ω
41	±20mAdc	50Ω
99	Contact us for other than the above Full Scale Range: Current input 10μA to 20mA Voltage input 10mV to 300V	

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

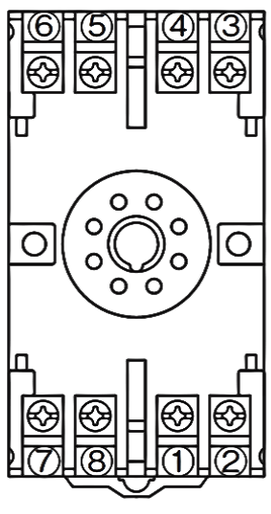
Code	Power Supply
1	100Vac ±10% 50/60Hz
2	200Vac ±10% 50/60Hz
3	24Vdc ±10%
4	110Vac ±10% 50/60Hz
5	220Vdc ±10% 50/60Hz
8	110Vdc ±10%

∗・・・CE approval do not adapt input range code 99 and output range code S.

Specifications

Accuracy	±0.1% FS (at 23°C)
Response time	Approx. 500μs (0 to 90%)
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 1μA or less
Zero & span adjustment	±20% FS (25 turn trimmer)
Operating temperature	-5 to +60°C
Storage temperature	-10 to +70°C
Operating relative humidity	90% or less (non-condensing)
Temperature coefficient	±0.015% FS of span per °C
Isolation	Between input, output, and power supply
Insulation resistance	100MΩ or more with a 500Vdc megger Between input, output, and power supply terminal
Dielectric strength	3000Vac for 1 minute between power supply and input/output terminal, 2000Vac for 1 minute between input and output terminal
Power consumption	Approx. 3.6VA (AC), Approx. 60mA (DC)
Dimensions	97(H) X 51(W) X 126(D)mm
Weight	Approx. 210g
Structure	Plug-in
Connection	M3.5 SEMS screw part of the base socket (Tightening torque 0.8N·m)
Material of terminal screw	Chromated iron
Mounting	DIN rail or wall surface
Case color and material	Ivory, ABS resin, flame retardant grade UL94V-0
EMC directive	EN61326-1, EN61010-1,EN IEC 63000 Installation category : II, Pollution degree : 2
Rated altitude	2000m or less

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**