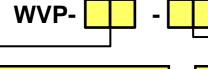


This plug-in type converter (isolator) provides signal output which is mutually isolated between input, output and power-supply. It amplifies and converts various kinds of signal with isolation to use in the integrated instrumental control system. It is highly effective as noise countermeasures.

Features

- ★ 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



Code	Model
DZ	Response time 200ms
DZ	(0-90%)
DS	Response time 25ms
ט	(0-90%)

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Code	Input	Input Resistance		
10	0 to 10mVdc	1ΜΩ		
11	0 to 100mVdc	1ΜΩ		
12	0 to 1Vdc	1ΜΩ		
13	0 to 5Vdc	1ΜΩ		
14	1 to 5Vdc	1ΜΩ		
15	0 to 10Vdc	1ΜΩ		
16	0 to 50mVdc	1ΜΩ		
17	0 to 60mVdc	1ΜΩ		
20	±10mVdc	1ΜΩ		
21	±50mVdc	1ΜΩ		
22	±100mVdc	1ΜΩ		
23	±1Vdc	1ΜΩ		
24	±5Vdc	1ΜΩ		
25	±10Vdc	1ΜΩ		
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		
	Contact us for other than the above			
99	Full Scale Range:			
99	Current input 10µA to 20mA			
	Voltage input 10r			
* CE approval do not adapt input ra				

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

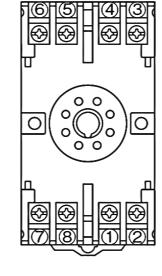
Code	Output	Allowable Load
Α	4 to 20mAdc	750Ω or less
В	1 to 5mAdc	3kΩ or less
С	2 to 10mAdc	1.5kΩ or less
D	0 to 1mAdc	15kΩ or less
Е	0 to 10mAdc	1.5kΩ or less
F	0 to 16mAdc	937Ω or less
G	0 to 20mAdc	750Ω or less
Н	1 to 5Vdc	2.5kΩ or more
J	0 to 10mVdc	10kΩ or more
K	0 to 100mVdc	100kΩ or more
L	0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

^{* · · ·} CE approval do not adapt input range code 99 and output range code S.

Specifications

A	10 10/ EC (at 22°C)
Accuracy	±0.1% FS (at 23°C)
Response time	DS : Approx. 25ms (0 to 90%)
	DZ : Approx. 200ms (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 +55°C
Storage temperature	-10 to +60°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,
	EN50581Installation category : II, Pollution degree : 2
Rated altitude	2000m or less

Terminal connections



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

* Specification is subject to change without notice