Isolator

WVP-IS



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
- ★ Dielectric strength 1500Vac
- ★ Easy maintenance by plug-in structure



Specifications

Accuracy	±0.1% FS (at 23°C)	
Response time	Approx. 25ms (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	
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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	100M Ω 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



INC.	No connection	
NC		
POWER U(+)	Power Supply	
POWER V(-)		

* Specification is subject to change without notice

Watanabe Electric Industry Co. Ltd.