Isolator WSP-DS



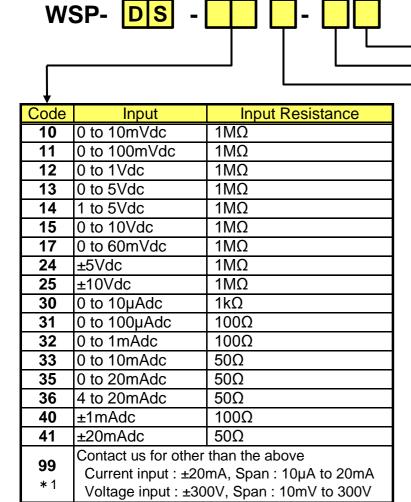
This compact plug-in type converter (isolator) provides signal output which is mutually isolated between input, output and power-supply.

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 15 turn trimmer
- ★ Zero & span adjustment ±10% full scale
- ★ Safe design by dielectric strength of 3000Vac
- ★ Compatible with 30Vdc power supply voltage
- ★ 5 years warranty, long life
- ★ CE approved

Ordering code



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

Code		Test Report	
	Х	None	
	T	With Test report	
	1		

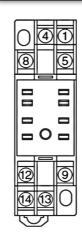
Code	Power Supply	
Α	100 to 240Vac ±10% 50/60Hz	
D	24Vdc ±10%	
*2	10.8 to 30Vdc	
8	110Vdc ±10%	

- *1···CE approval do not adapt input range code 99 and output range code S.
- *2···CE approval do not adapt when power supply is 10.8Vdc to 30Vdc.

Specifications

Input signal	DC current / voltage	
Output signal	DC current / voltage	
Accuracy	±0.1% FS (at 23°C)	
Response time	Approx. 25ms (0 to 90%)	
Allowable load	Current output	
	15V or less of voltage drop between output terminal	
	Voltage output	
	Load current 5mA or less	
	*1µA or less if the output is less than 1V FS	
Zero & span adjustment	±10% FS (15 turn trimmer)	
Operating temperature range	-5 to +55°C	
Operating relative humidity	90% or less (Non-condensing)	
Storage temperature range	-10 to +60°C	
Temperature coefficient	±0.015% FS of span per °C	
Isolation	Between input, output, and power supply	
Insulation resistance	100MΩ or more with 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. 4.5VA (AC), Approx. 60mA (DC)	
Power supply variation	±0.1% FS (within the range of rated voltage)	
Dimensions	84(H) X 23(W) X 106.5(D)mm	
Weight	Approx. 130g	
Structure	Plug-in (Body part and socket part)	
Connection	M3 SEMS screw part of the base socket (Tightening torque 0.6N·m)	
Mounting	DIN rail or wall surface	
Case color and material	Ivory, ABS resin, flame retardant grade UL94V-0	
EMC directive	EN61326-1, EN61010-1, EN50581	
	Installation category : II, Pollution degree : 2	
Rated altitude	2000m or less	

Terminal connections



Symbol	Description	
INIDIT	+	Input
INFUI	-	
NC		No connection
NC		No connection
OUTDUT	+	Output
001701	-	Output
POWER	U(+) V(-)	Power Supply
	INPUT NC NC OUTPUT	INPUT + - NC NC OUTPUT + LI(+)

DIN rail 35 mm width Rating label Terminal label To socket 6 2- \(\phi \ 4.2 \times 5 \) Mtg hole Unit: mm

* Specification is subject to change without notice