

Potentiometer converter (free specification type)(WSPA-FMS)



This compact plug-in converter converts rotation angle or linear travel distance extracted as a 3-wire type potentiometer's resistance value to direct current or DC voltage.

Features

- Long-life design

Product Specifications

Feature 1	Long-life design
Specification	Conforming to RoHS Directive
Input	Potentiometer (3-wire type) Total resistance value: 100 Ωfs to 10 kΩfs
Output	DC current/voltage
Power supply	100 to 240 VAC/ 24 VDC/ 100 to 120 VDC
Insulation	○
Zero/span adjustment	Settable freely within the rated input/output range
Operating temperature/humidity	-5 to +55°C 90%RH or less
Effects of ambient temperature	±0.15%fs/10°C
Insulation resistance	Min. 100 MΩ (measured with 500 VDC megger)
Withstand voltage	2000 VAC, 1 minute
Power consumption	Approx. 6.5 VA (AC), approx. 100 mA (24 VDC), approx. 25 mA (110 VDC)
Outside dimensions	84 (H) x 29.5 (W) x 106.5 (D) mm
Weight	Approx. 150 g
Structure	Plug-in
Wiring location	M3 sems screw of base socket
Terminal screw material	Trivalent chromate treatment on a galvanized iron surface
Case color/material	Ivory color, heatproof ABS resin (94V-0)
Installation method	DIN rail mount or wall mount