SD-CL LOOP POWER ISOLATOR

FEATURE

- Input signal for 4~20mA(with excitation supply)
- Output 4~20mA wire mode with loop powered,
- DIN rail mounting with Ultra slim in 7.6 mm profile
- CE Approved & RoHS

Ultra Slim (7.6mm) type

ORDERING INFORMATION

SD – CL [Output] – [Input Range] – [Signal of Output] – [Aux. Power]

CODE	OUTPUT LOOP
1	Single output

CODE	INPUT RANGE
AE	4~20mA(with excitation supply for 2 wire transmitter

CODE	OUPUT RANGE
D	4 ~ 20 mA

CODE	AUX. POWER
LP	Loop Powered DC 20~30 V

TECHNICAL DATA

Signal input

Input Range	Input Impedance
4 ~ 20 mA(2 wire)	250Ω

Analogue output

Power Type	Output Range	Accuracy	Load Resistance
Loop Power	4 ~ 20mA	≤ ±0.3% of F.S.	≥ 250Ω

Response time: ≤ 100msec (10%~90% of FS)
Output ripple: ≤ ±0.1% of F.S.

Power

Power supply: Loop powered DC 20~30V
Excitation Supply: $V_{E.S.} \geq Vs - R_L \times I_O - 6$
Power consumption: ≤ 25mA

Environmental

Operating temp.: -10~60 ℃
Operating humidity: 20~95% RH, Non-condensing
Temperature drift: ≤100 PPM/ ℃
Storage temperature: -10~70 ℃
Protection: IP 42

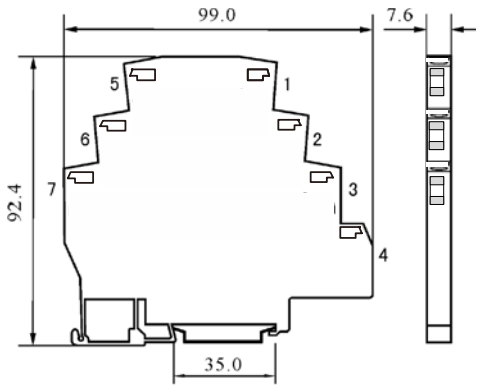
Mechanical

Dimensions: 7.6mm(W) x 99mm(H) x 92.4mm(D)
Housing: Self-extinguishing, black ABS, UL94V0
Terminals: Sprint terminal, up to 1.0 mm^2 wire
Mounting: 35mm DIN rail (EN50022)
Weight: 50g

Specification

EMC: EN 61326-1
Electric Isolation: AC 1.5KV for 1min; Between Input / Output
Insulation resistance: ≥ 100MΩ at 500Vdc

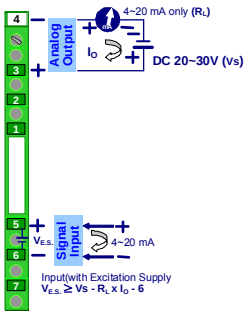
DIMENSIONS



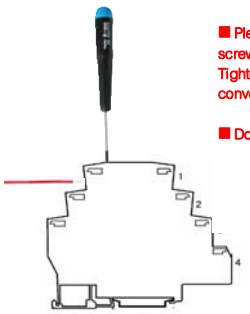
CONNECTION DIAGRAM

Please check the voltage & type of power supplied first, and then connect to the specified terminals. It is recommended that power supplied to the meter be protected by a fuse or circuit breaker.

Loop Powered type



Terminal and Wiring



■ Please use the following screwdriver Φ3.2mm
Tighten the screws on the SD converter

■ Do not wire more than Φ3.5mm

SD-CL