

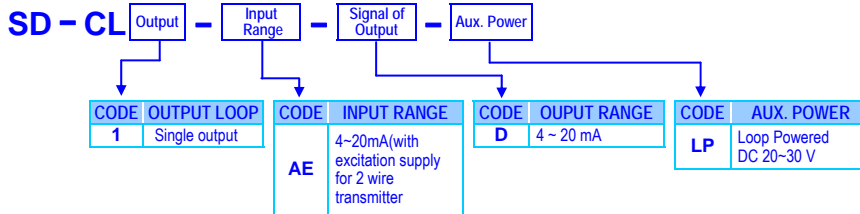
# SD-CL LOOP POWER ISOLATOR

## FEATURE

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



## ORDERING INFORMATION



## 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	≤ ±0.25% 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:** Loop power type:  $V_{E.S.} \geq V_s - R_L \times I_o - 6$

**Power consumption:** ≤ 60mA at 24V, 20mA

### Environmental

**Operating temp.:** -10~60 °C

**Operating humidity:** 20~95% RH, Non-condensing

**Temperature drift:** 0.1% F.S./10°C

**Storage temperature:** -10~70 °C

**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<sup>2</sup> wire

**Mounting:** 35mm DIN rail (EN50022)

**Weight:** 150g

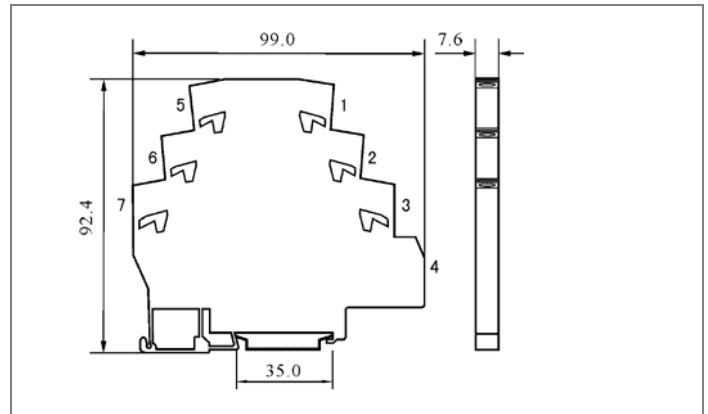
### Specification

**EMC:** EN 61326-1

**Electric Isolation:** AC 1.5KV for 1min; Between Input / Output

**Insulation resistance:** ≥ 100MΩ at 500Vdc

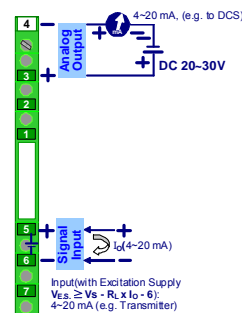
## DIMENSIONS



## CONNECTION DIAGRAM

Please check the voltage supply 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

