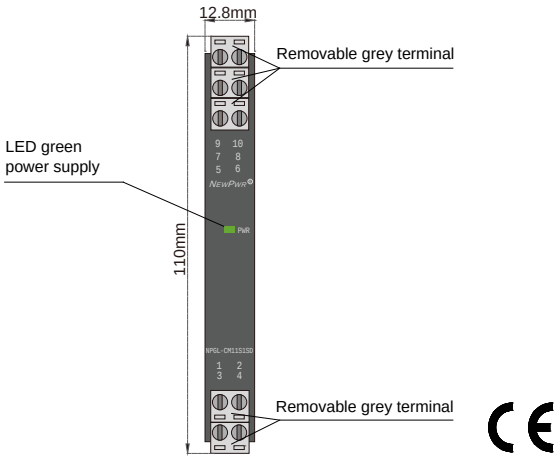
NPGL-CM11SD
Single input, single output

NPGL-CM1S1SD
Single input, dual output

Input: 4 ~ 20 mA
Output: 4 ~ 20 mA (sink mode)

This isolator detects loop current and converts it into current (sink) signals. It allows transmission of HART communication signals. It needs an independent power supply. The input, output, and power supply are galvanically isolated from each other.



Parameters

Power supply:	18 V DC ~ 60 V DC (Reverse power protection)
Power dissipation:	0.9 W (24 V, single output)
	1.0 W (24 V, double output)
Input signal:	4 ~ 20 mA, HART
Input resistance:	approx. 50 Ω
Available voltage:	open-circuit voltage ≤ 26 V
	voltage: ≥ 22 V at 20 mA
Output signal:	4 ~ 20 mA (Sink), HART
Load resistance:	R_L < [(U-3)/0.02]Ω; U: Loop power supply
Accuracy:	0.1%F.S.
Temperature drift:	30 ppm/°C
Response time:	≤ 2 ms
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	≥ 1500 V AC (Input/Output/Power supply)
Insulation resistance:	≥ 100 MΩ (Input/Output/Power supply)
Operation temperature:	-20 °C ~ +60 °C
Storage temperature:	-40 °C ~ +80 °C
Dimension:	12.8 mm (W) × 110 mm (H) × 117 mm (D)

Wiring diagram