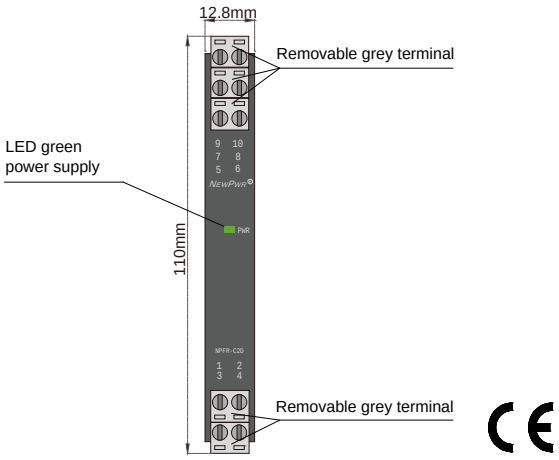
NPFR-C1D
Single input, single output

NPFR-C2D
Single input, dual output

Input: Frequency
Output: 1:1

This pulse isolator converts the frequency signals to 1:1 frequency signals (configurable logic level default, open collector or emitterr follower can be selected in ordering). 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 (single output, full-load)	
	1.8 W (double output, full-load)	
Input signal:	frequency	
Frequency range:	0.1 Hz ~ 100 kHz	
Pulse width:	≥ 5 μs	
Switching trigger point:	Low level: 0 V ~ 2 V, High level: 4 V ~ 30 V	
Distribution voltage:	12 V DC: Distribution voltage ≥ 11 V at 20 mA	
	24 V DC: Distribution voltage ≥ 22 V at 20 mA	
Output signal:	Open collector	High level: V_{CC} (≤ 30 V)
		Low level: ≤ 2 V
		drive current: ≤ 10 mA
	Emitter follower	High level: V_{CC}-2 V
		Low level: ≤ 0.5 V
		drive current: ≤ 10 mA
	Logic level (default)	High level: 18 V ≤ V_H ≤ 24 V
		Low level: V_L ≤ 2 V
		Load resistance: ≥ 2kΩ
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