

C Series

ed Safety Barrier



converts it from a hazardous area into current or voltage signals to a safe area by isolation, and also provides transmitters with power in the hazardous area. It allows communication signals. DIN rail power supply function can be selected in ordering. The input, output, and power supply are galvanically isolated from each other. The main advantages of the isolated safety barrier are fast response, low dissipation and temperature stability.

→ Parameters

Explosive-proof grade	[Ex ia Ga] C
Power supply	
Connection type	Terminals (9+, 10-) or DIN rail connector
Rated voltage	18 V DC 60 V DC (Recommended voltage: 24 V DC)
Input (1, 2, 3)	
Input signal	0(4) ~ 20 mA, 0 ~ 10 mA
Input resistance	approx. 75 Ω
Available voltage	open-circuit voltage ≤ 26 V voltage: ≥16 V at 20 mA
overcurrent/voltage protection	yes
Output (5, 6; 7, 8)	
Output signal	DC current: 0(4) ~ 20 mA, 0 ~ 10 mA DC voltage: 0(1)~5 V, 0~10 V
Load resistance	0(4) ~ 20 mA: ≤ 550 Ω 0 ~ 10 mA: ≤ 1.1 kΩ

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non-intrinsically safe side



