

Intrinsically Safe Isolation Barrier

This isolation safety barrier provides isolated intrinsic safety power for transmitters in hazardous areas. It isolates 4-20mA signals and transmits them to safe area control systems.



Product Overview

Intrinsically Safe Isolation Barrier

This isolation safety barrier is designed for hazardous area applications, providing essential power distribution and signal isolation for field transmitters. It effectively isolates 4-20mA signals and transmits them to safe area control systems, ensuring operational safety and system integrity. Built with a compact, modular ABS housing, it features pluggable terminals for easy installation on standard 35mm DIN rails.

Technical Specifications

Current Consumption

- <50mA (One in, one out)
- <60mA (One in, two out)
- <110mA (Two in, two out)

Supply Voltage	24 VDC
Input Signal	4-20mA
Input Impedance	50 Ω
Distribution Voltage	16 VDC

Safety & Certification

Explosion-proof Marking

[Exia] IIC

Safety Parameters

250 V Um	28 V Uo	93 mA Io	0.65 W Po
--------------------	-------------------	--------------------	---------------------

Hazardous Area Zones	Zone 0, Zone 1, Zone 2, IIA, IIB, IIC
----------------------	---------------------------------------

Environmental & Physical

Operating Temperature	-20 to +60°C
Humidity Range	5 to 95% RH (non-condensing)
Dimensions (W x H x D)	16 x 116 x 110 mm
Weight	110 g