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.

WP－8000－EX系列检测端隔离式安全栅（带配电）

◆ 仪表概述

◆ 特性

◆ 主要技术参数

◆ 外形尺寸

◆ 安装－应用

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 ©
Distribution Voltage	16 VDC

Safety & Certification

Explosion-proof Marking

[Exia] IIC

Safety Parameters

250 V	28 V	93 mA	0.65 W
Um	Uo	Io	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