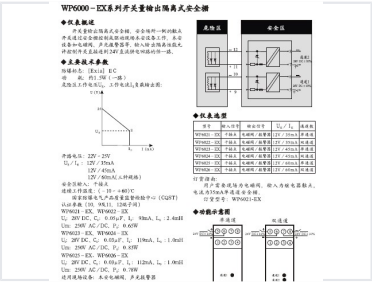
Isolated Safety Barrier for Switch Outputs

This isolated safety barrier isolates switch outputs, designed for safety-related applications. It allows safe control or drive of intrinsically safe field devices like solenoid valves and audible/visual alarms.



Overview

WP6000-EX Series Isolated Safety Barrier

The WP6000-EX series of isolated safety barriers is engineered for safety-related applications, providing robust isolation for switch outputs. These devices facilitate the safe control and operation of intrinsically safe field equipment, such as solenoid valves and audible or visual alarms. Designed for reliability, they allow direct connection of control switches to 24V DC power supply circuits, ensuring secure performance in hazardous environments.

Technical Specifications

Explosion-Proof Marking

[Exia] IIC

Power Consumption	1.5 W
Operating Temperature Range	-10 to +60 °C
Safe Area Input	Dry contact
Open-Circuit Voltage Range	22V - 25V

Model Selection

Model Specifications

Model	Channels	Output Rating
WP6021-EX	Single	12V/35mA
WP6022-EX	Dual	12V/35mA
WP6023-EX	Single	12V/45mA
WP6024-EX	Dual	12V/45mA
WP6025-EX	Single	12V/60mA
WP6026-EX	Dual	12V/60mA

Certification Parameters

Intrinsic Safety Parameters

28 V DC
Max Voltage (Uo)

250 V AC/DC
Max Voltage (Um)