

# IOP32D Surge Diverter

Digital I/O and analog power surge protection



## Description

The IOP32D Surge Diverter protects both digital and analog inputs and outputs from the impact of surge in-rush currents. Featuring removable terminals for easy commissioning, the surge diverter is ATEX-certified for use in potentially explosive atmospheres.

Note: Effective surge protection relies on good earth grounding. This product assumes both a metallic enclosure and good ground connection to the enclosure. If in doubt, add another earth ground under the locknut.

## Specifications

SPECIFICATION	DESCRIPTION
<b>Parameters</b>	
Wires/loops protected	4 wires/ 2 loops
Nominal Voltage	32V
Rated voltage (MCOV)	36V
Nominal working current	675mA
Nom/max discharge current	3kV/20 kA (8/20µS)
Lightning impulse current	2.5KV (10/350 µS)
Residual V @ nom. discharge	45V
Voltage protection @ 1kV/µs	<38V
Response time	<1 nS
Bandwidth	<-0.3 dB: < 1MHz; -3 dB: 6.5MHz
Series resistance	2 ohms (4 ohms per loop)
Leakage current	<1 µA @ working voltage
<b>General</b>	
Size	0.5" x 4.1" x 3.3" (13mm x 105mm x 85mm)
Housing	IP20
Mounting	T-section DIN rail 1.4" x 0.6" (35mm x 15mm)
Terminal Block	12AWG, 0.09 in <sup>2</sup> (2.5mm <sup>2</sup> )
Safety	EN60950
Hazardous area	ATEX EEx ia IIC T4
Temperature	-40 to +158°F (-40 to +70°C)
Humidity	5-95% noncondensing
Weight	5 oz (140g)

## Ordering

PRODUCT CODE	DESCRIPTION
IOP32D	Signal Surge diverter

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