PR 2279B2D PR Electronics 24VDC 20mA Isolation Amplifier Datasheet

SKU: 902862293034

Category: Power Supplies & Circuit Protection

Price: **$1,285.71**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/pr-2279b2d-pr-electronics-24vdc-20ma-isolation-amplifier

Product Description

PR Electronics PR 2279B2D features a 0.5 to 250 VRMS input range, 0 to 20 mA output, and 3-port galvanic separation. The unit utilizes microprocessor technology for precise gain and zero offset selection while maintaining pure analogue signal processing. Structural and operational characteristics include an internal 1 Ω shunt for direct current measurements up to 1 ARMS, a 1.5 s time suppression, and a standard 24 VDC supply requirement. The hardware is engineered with internal DIP-switches for programmable input and output ranges, ensuring robust performance across a -20 to 60 °C operating temperature range.

PR 2279B2D Specifications
Model Number: PR 2279B2D
Brand: PR Electronics
Product Category: AC/DC Transmitter / Isolation Amplifier
Supply Voltage: 19.2 to 28.8 VDC
Internal Consumption: 1.3 W
Input Voltage Range: 0.5 to 250 VRMS
Input Current Range: 0 to 1 ARMS
Input Frequency Range: 40 to 400 Hz
Standard Current Output: 0 to 20 mA / 4 to 20 mA
Current Limitation: 23 to 28 mA

Standard Voltage Output: 0 to 1 VDC / 0 to 10 VDC
Internal Shunt (Current): 1 Ω
Internal Shunt (1 VDC Output): 50 Ω
Internal Shunt (10 VDC Output): 500 Ω
Time Suppression: 1.5 s
Isolation: 3-Port Galvanic Separation
Operating Temperature: -20 to 60 °C
Programming Interface: Internal DIP-switches
Signal Processing: Analogue with Microprocessor Gain

PR 2279B2D Applications

Primary applications include integration into hydroelectric power station control panels, pitch control systems for proportional valves, and generator monitoring equipment. Deployed within industrial data acquisition systems and motor drive cabinets, this component provides critical signal conditioning and protection against electrical noise, ground potentials, and transients in high-voltage environments.

Supplemental Images


SER.NO:000455193
ORD.NO:947880
supply: 24V⎓ 1,3W
input:
0-1 Vrms
output I: 4-20 mA
output V: 0,2-1 V
2279 B2D
SER.NO:000455168
ORD.NO:946969
supply: 24V⎓ 1,3W
input:
0-1 Vrms
output I: 4-20 mA
output V: 0,2-1 V
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PR electronics
2279
No. 2279V102-IN (0109)
From ser. no. 980057001
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AC/DC transmitter Page 11 UK
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AC/DC Meßumformer Seite 35 DE