Alternative Fuel Mecca

2121 Natomas Crossing STE 200-218
Sacramento, CA 95835
1-888-959-9311
info@alternativefuelmecca.com

DURAPULSE 7.5HP VFD

SKU: gs2375



Price: $799.00

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GS20
Categories: Electrical |

SPECIFICATIONS

PRODUCT DESCRIPTION

Here's a polished summary of the **GS23-2015 DURApulse GS20 Series AC General Purpose VFD** product page from AutomationDirect:

OVERVIEW OF GS23-2015 VFD

- **Product Name**: DURApulse GS20 series AC general purpose drive (Model: **GS23-2015**), 230 VAC
- **Output Capacity**:
  - **15 hp** when powered by **3-phase input**
  - **7.5 hp** with **single-phase input** (AutomationDirect, directautomation.com.au)
- **Control Modes Supported**:
  - Sensorless Vector Control (SVC),
  - Volts/Hertz (V/Hz),
  - Field-Oriented Control (FOC),
  - Torque (TQC) mode (AutomationDirect, AutomationDirect, directautomation.com.au, AutomationDirect)
- **Key Features**:
  - Enclosed **E-frame** design
  - **Integrated dynamic braking**

- **RS-485 communication port** (RJ45 connector)
- Optional communication via **EtherNet/IP** or **Modbus TCP** with add-on card (AutomationDirect, AutomationDirect)

TECHNICAL SPECIFICATIONS (FROM CUT SHEET)

- **Electrical Specs**:
  - **Input & Output Voltage**: 230 VAC
  - **Amp Ratings**:
    - 49 A (3-phase)
    - 24.5 A (1-phase)
    - Variable Torque Rating: 51 A (AutomationDirect)
- **Safety and Packaging**:
  - Safe Torque Off (STO) feature: **Yes**
  - Operating Temperature: **–20 °C to 50 °C**
  - Enclosure: Enclosed IP20, E-frame
  - Mountable on panel or wall (AutomationDirect)
- **I/O Capabilities**:
  - **Analog Inputs**: 2 channels (current/voltage, 10-bit & 12-bit resolution)
  - **Analog Output**: 1 channel (current/voltage, 10-bit)
  - **Discrete Inputs**: 7 points (24 VDC sinking/sourcing)
  - **Discrete Outputs**: 3 points (AutomationDirect)
- **Signal I/O Ranges**:
  - Analog Input: 0-20 mA, 4-20 mA, ±10 VDC
  - Analog Output: 0-20 mA, 4-20 mA, 0-10 VDC (AutomationDirect)
- **PWM & Frequency Ranges**:
  - PWM Carrier Frequency: **2–15 kHz**
  - Output Frequency: **0.1–599 Hz** (AutomationDirect)

PACKAGING & COMPLIANCE

- **Included Items**:
  - DURApulse GS20 Drive (GS23-2015)
  - Attached keypad (GS20A-KPD)
  - Insert (unspecified) (AutomationDirect)
- **Certifications & Environmental**:
  - **UL Listed** (File #: E198015)
  - **CE compliant**, **RoHS**: Yes
  - **EU REACH** documentation available
  - Conflict Minerals compliance logo displayed (AutomationDirect, lamonde.com)

Summary Table

Category	Details
Power	230 VAC; 15 hp (3-phase), 7.5 hp (1-phase)
Control Modes	SVC, V/Hz, FOC, Torque
Communications	RS-485 (RJ45); optional EtherNet/IP, Modbus TCP
I/O	2 analog inputs, 1 analog output, 7 discrete inputs, 3 outputs

Category	Details
Safety	Integrated dynamic braking, STO, –20–50 °C
Certifications	UL, CE, RoHS, REACH, Conflict Minerals

Since 2009, we have been supplying portable and stationary pumps for moving all types of oil. Oil cleaning centrifuges are also important tools to re-use oil as fuel or lubricant.

Contact Us:
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