## **ABB 81EU01E-E GJR2391500R1210 Input Module universal**

**Brand: ABB**

**Module Number:81EU01E-E**

**Order Number:GJR2391500R1210**

**Unit Price：$ 2000**

**Country Of Origin: Sweden**

**Weight: 0.5KG**

**Certificate: C/O from the Chamber of Commerce**

**C/Q from the Manufacturer**

**Warranty: 12 Months**

**Inventory Qty: 10**

## Description:

**ABB 81EU01E-E Technical specifications**​

Number of input channels: 16 or 32 digital inputs

Input voltage: 24 V DC

Input signal type: switch signal, pulse signal, frequency signal

Maximum signal frequency: 500 kHz

Response time: ≤1 ms

Isolation voltage: 2500 V

Operating temperature range: -40°C to +70°C

Protection level: IP67

Communication interface: Supports multiple communication interfaces, such as Ethernet interface or other standard bus interface

Rated current range: 0.5A - 50A (CT can be expanded to 500A)

Rated voltage: 110-690V AC (50/60Hz)

Input signal: 3-phase current (CT input), 3-phase voltage (optional)

Relay output: 2CO (contact capacity: 5A @ 250V AC)

Communication interface: Modbus RTU (RS485)

Protection function: overload, phase loss, stall, unbalance, ground fault

Measurement accuracy: current ±1%, voltage ±2%

Power supply voltage: 24-240V AC/DC

Installation method: panel type

**Purpose:**ABB 81EU01E-E is an electronic motor protection relay, belonging to the ABB MPR series, designed for comprehensive protection and control of low-voltage motors. Its core function is to monitor motor current, voltage, temperature and other parameters in real time, provide overload, phase loss, stall, imbalance and other fault protection, and support start-stop control.

**Application:**Industrial manufacturing: Intelligent protection of motors such as pumps, fans, and compressors. Building facilities: Energy consumption management and fault warning of HVAC systems and elevator motors. Water treatment and energy: High reliability protection of sewage pumps and seawater desalination equipment. Mining and metallurgy: Heavy-load adaptation of crushers and conveyor belt motors.

## Details:

一．ABB **81EU01E-E** Key features​

High precision and high reliability: The module has high-precision measurement capabilities and reliable control systems, suitable for complex industrial environments.

Versatility: ABB 81EU01E-E Supports multiple communication protocols and interfaces, suitable for a variety of industrial application scenarios.

Fast response: The response time is less than 2 milliseconds.

High protection level: The protection level reaches IP67, suitable for harsh environments.

Easy to install and configure: Modular design, easy to install and maintain.

**二．Typical cooperation cases**

BASF Chemical Plant, Germany: Reactor stirring motor protection, using ABB 81EU01E-E Modbus to connect to the DCS system.

Vattenfall Wind Farm, Sweden: Cooling water pump motor monitoring, ABB 81EU01E-E withstands the low temperature environment of Northern Europe.

Dubai Airport, UAE: Baggage conveyor belt motor control, LCD screen simplifies maintenance diagnosis.