

Model EP2032 - 32 DI Multifunction PIFA

Description

- See *General PIFA Specifications* on page 132.
- The EP2032 has 32 digital inputs of the electric type **Standard 24V DC DI**.
- The last four inputs are of the Software Advanced type and are preferably used for pulse counting, if this is required. The remaining 28 are of the type Software Normal.
- The last four inputs can also be used as SO inputs for connecting certain energy meters, etc. □ The EP2032 is designed for general applications. Potential-free contacts are typically used as input sensors.

Specifications

Power Supply

Supply voltage	24 V DC
tolerance	18–30 V DC
electronically fused	to 250 mA
power consumption with no load	0
+C output for DI, level	= Supply voltage
max load	fused with electronic fuse, 250 mA

Internal Power Consumption

5 V	60 mA
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Digital Inputs

Inputs 1–28	Type Normal
Inputs 29–32	Type Advanced

SO Inputs

The last four inputs can individually be activated as a so-called SO input by using a jumper on the PIFA card. SO inputs, sometimes referred to as Type 2 inputs, have a somewhat different electrical specification than standard, see below.

Digital input 29-32 activated as type 2 inputs (SO inputs)

Logical 0	0 to 5 V
input current at 0 V	0 mA
input resistance	5.7 kOhm
Logical 1	11 to 30 V
input current at 24 V	15 mA

Connections

See *General PIFA Specifications* on page 132 and its various sections for information on process connections.

Figure 69. Connections for EP2032.

