

Model EP4024 - 16 DI / 8 DO Mixed Multifunction PIFA

Description

- ❑ See *General PIFA Specifications* on page 132.
- ❑ The EP4024 has 16 digital inputs and 8 digital outputs, of the types **Standard 24V DC DI** and **DO** respectively.
- ❑ The last four inputs are of the type Software Advanced and should especially be used for pulse counting, if required. The remaining 12 are of the type Software Normal.
- ❑ The last four inputs can also be used as SO inputs for connecting certain energy meters, etc.
- ❑ EP4024 is designed for general applications. Potentially free contacts are normally used as input sensors.

Specifications

Power Supply

Supply voltage.....	24 V DC
tolerance.....	18–30 V DC
electronically fused.....	to 2.5 A
power consumption with no load.....	50 mA
+C output for DI, level.....	= Supply voltage
max load.....	100 mA

Internal Power Consumption

5 V.....	60 mA
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Digital Inputs.....

Input 1–12.....	16
Input 13–16.....	type Normal
Input 13–16.....	type Advanced

Digital Outputs.....

Maximum total continuous on all outputs.....	8
Maximum total continuous on all outputs.....	2.0 A

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 74. Connections for EP4024.

