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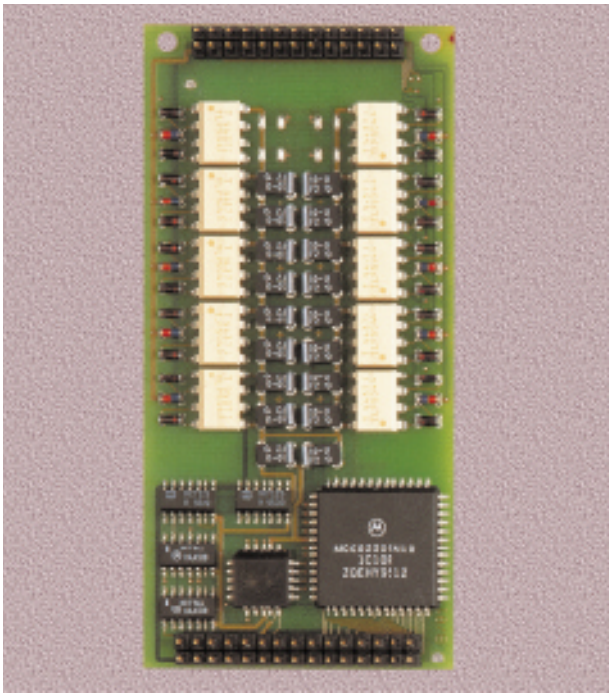
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Find the *Kontron / PEP PB-DIN3* at our website: *Click HERE*

MODPACK
ANALOG &
DIGITAL
I/O

# PB-DIN3

## 20-Channel Optoisolated Digital Input MODPACK



### Characteristics

| | |
|---|---|
| Function: | 16 optoisolated digital input channels and 4 change-of-state inputs arranged in two groups (2x10) with common GND |
| Input Voltage: | 24V DC |
| Max. Input Rating: | 10.5V DC < $V_{in}$ < 34V DC |
| Input Current: | 5mA @ 24V DC typ. |
| Switching Level: | <10V = low, >16V = high |
| Input Frequency: | 200Hz (max.) |

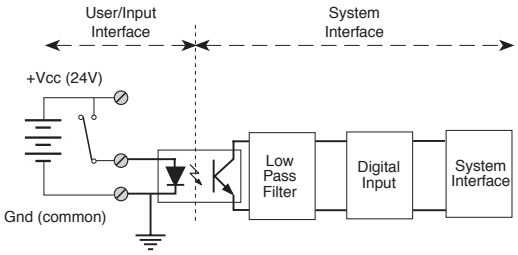
### Timer

| | |
|---|---|
| Resolution: | 24-bit |
| Frequency: | 8 MHz (derived from 16 MHz SYSCLK) on the carrier board |

### Common

| | |
|---|---|
| Isolation: | 2500V DC between I/O and system; 100V DC between inputs |
| Power Req.: | +5V DC (± 5%), 100mA typ. |
| Temp. Ranges: | 0ºC to +70ºC<br>-40ºC to +85ºC (opt. E2)<br>-55ºC to +85ºC (storage) |
| Humidity: | 0% to 95% non-condensing |

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An optoisolated 20 channel digital input module for 24V DC sensor operation utilizing the 68230 "PIT" from Motorola. Each of the 20 inputs which are divided into two groups each possessing a common ground, are filtered against noise inherent in industrial situations and possess 2500V isolation between the input and ground and 100V between individual inputs.

Four of the inputs may be used normally or for change of state inputs with interrupt generation.

| Product | Description | Order No. |
|---|---|---|
| PB-DIN3 | ModPack with twenty 24V DC optoisolated and filtered digital inputs | 3102 |

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