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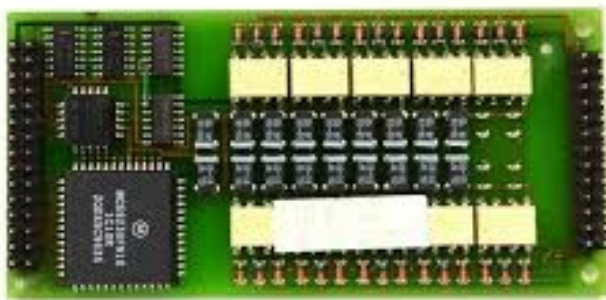
**Data Sheet**

August 13, 2026

KONTRON / PEP

# Kontron / PEP PB-DIN3 20-Channel Optoisolated Digital Input MODPACK

Aumictech offers NIST-traceable calibration and repair for the Kontron / PEP PB-DIN3. Calibration covers analog input channel accuracy and offset at all gain settings, analog output accuracy, digital I/O logic threshold verification, sample rate and timing accuracy, and trigger and synchronization bus functional verification. NI CompactRIO and PXI chassis also undergo backplane trigger line integrity check.. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common Kontron / PEP PB-DIN3 faults: power supply failure (cRIO-9073/9074), C-series slot connector wear, PXI chassis fan failure, GPIB interface failure on VXI controllers, BIOS/EEPROM corruption. NI CompactRIO most common faults are power supply failure on older cRIO-9073/9074 chassis and C-series module slot connector wear from repeated hot-swap cycles. PXI chassis fa



MODEL

**Kontron / PEP PB-DIN3**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**PB-DIN3**

LISTING

<https://aumictechlabs.com/products/pb-din3-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Kontron/PEP PB-DIN3 MODPACK features 20 optoisolated digital input channels, offering protection against electrical noise and voltage spikes. This module is industrial automation,

process control, and machine monitoring systems. Its optoisolation design ensures reliable and accurate data acquisition, even in environments with high levels of electrical interference.

## PBDIN3 Characteristics / Specifications

| PARAMETER             | VALUE                                                          |
|-----------------------|----------------------------------------------------------------|
| Model                 | PB-DIN3                                                        |
| Manufacturer          | Kontron / PEP Modular Computers                                |
| Instrument Type       | Opto isolated digital input ModPack                            |
| Series                | PB ModPack                                                     |
| Alias                 | PB DIN3; PEP PB-DIN3                                           |
| Input Channels        | 20 opto isolated digital                                       |
| Output Channels       | none (input only)                                              |
| Total Channels        | 20                                                             |
| Field Voltage         | 24 V DC                                                        |
| Isolation             | opto isolated inputs                                           |
| Controller            | Motorola MC68230 PIT class                                     |
| Software OS           | yes                                                            |
| Software VxWorks      | yes                                                            |
| Carrier VME           | PEP VMOD-2 / VMOD2                                             |
| Carrier CXC           | IMOD / CXM-IMOD                                                |
| Front Connector Class | 50 pin ribbon on typical ModPack carriers                      |
| Not PB DIO            | DIO3 is 10 in / 10 out 100 mA 24 V                             |
| Not PB DOUT           | DOUT2 is 16 DO; DOUT8 is 8 DO                                  |
| Not Standalone        | requires ModPack carrier                                       |
| Status                | legacy Kontron PEP                                             |
| Form                  | ModPack piggyback                                              |
| Family                | analog digital serial counter ModPacks on same carriers        |
| Compared PB DIO       | earlier PB-DIO is 8 in / 8 out / 4 handshake at 5 V class      |
| Handshake Family      | handshake lines on PB digital packs (confirm DIN3 stuffing)    |
| Timer Family          | 24 bit 8 MHz timer on PB digital packs (confirm DIN3 stuffing) |

| PARAMETER         | VALUE                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature Class | extended industrial on PEP ModPack family                                                                                                                                                                                                               |
| Use               | 20 channel 24 V DI only Notes Specs from Kontron PB-DIO3 family page identifying PB-DIN3 as 20-channel input-only opto ModPack at 24 V, same carriers (VMOD-2 / CXM-IMOD), OS-9/VxWorks. Confirm handshake/timer stuffing versus DIO3 and carrier type. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications   |                                     |
|------------------|-------------------------------------|
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| PARAMETER        | VALUE                               |
| Model            | PB-DIN3                             |
| Manufacturer     | Kontron / PEP Modular Computers     |
| Instrument Type  | Opto isolated digital input ModPack |
| Specifications   |                                     |
| PARAMETER        | VALUE                               |
| Series           | PB ModPack                          |
| Alias            | PB DIN3; PEP PB-DIN3                |
| Input Channels   | 20 opto isolated digital            |
| Specifications   |                                     |
| PARAMETER        | VALUE                               |
| Output Channels  | none (input only)                   |
| Total Channels   | 20                                  |
| Field Voltage    | 24 V DC                             |
| Specifications   |                                     |
| PARAMETER        | VALUE                               |
| Isolation        | opto isolated inputs                |
| Controller       | Motorola MC68230 PIT class          |
| Software OS9     | yes                                 |
| Specifications   |                                     |
| PARAMETER        | VALUE                               |
| Software VxWorks | yes                                 |
| Carrier VME      | PEP VMOD-2 / VMOD2                  |
| Carrier CXC      | IMOD / CXM-IMOD                     |

### Specifications

| PARAMETER             | VALUE                                     |
|-----------------------|-------------------------------------------|
| Front Connector Class | 50 pin ribbon on typical ModPack carriers |
| Not PB DIO3           | DIO3 is 10 in / 10 out 100 mA 24 V        |
| Not PB DOUT           | DOUT2 is 16 DO; DOUT8 is 8 DO             |

### Specifications

| PARAMETER      | VALUE                    |
|----------------|--------------------------|
| Not Standalone | requires ModPack carrier |
| Status         | legacy Kontron PEP       |
| Form           | ModPack piggyback        |

### Specifications

| PARAMETER        | VALUE                                                       |
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| Compared PB DIO  | earlier PB-DIO is 8 in / 8 out / 4 handshake at 5 V class   |
| Handshake Family | handshake lines on PB digital packs (confirm DIN3 stuffing) |

### Specifications

| PARAMETER         | VALUE                                                          |
|-------------------|----------------------------------------------------------------|
| Timer Family      | 24 bit 8 MHz timer on PB digital packs (confirm DIN3 stuffing) |
| Temperature Class | extended industrial on PEP ModPack family                      |
| Use               | 20 channel 24 V DI only                                        |

#### Notes

Specs from Kontron PB-DIO3 family page identifying PB-DIN3 as 20-channel input-only opto ModPack at 24 V, same carriers (VMOD-2 / CXM-IMOD), OS-9/VxWorks. Confirm handshake/timer stuffing versus DIO3 and carrier type.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.