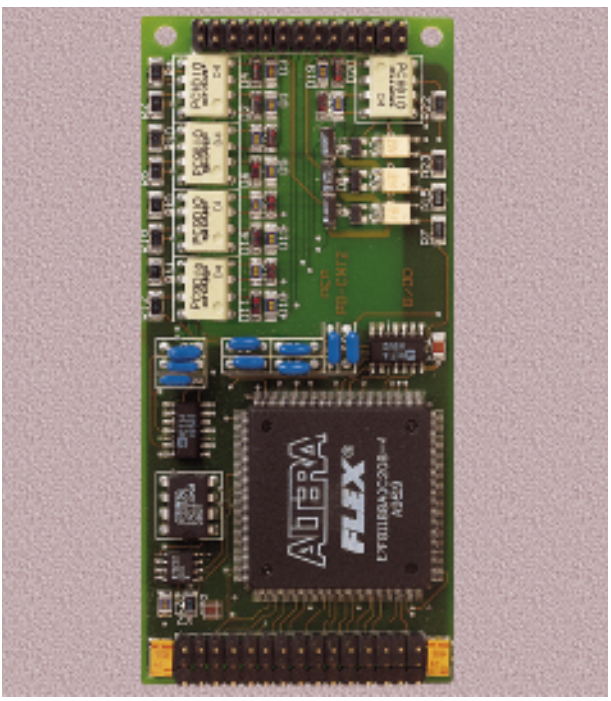
MODPACK ANALOG & DIGITAL I/O

PB-CNT2

MODPACK with 3 Independent Optoisolated 24-Bit Counters



Characteristics

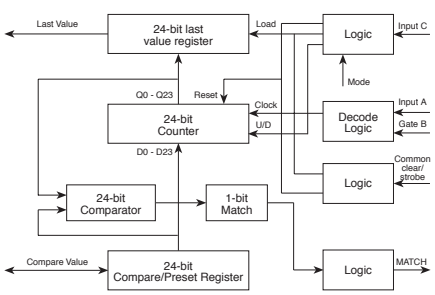
Function:	3 independent optoisolated 24-bit counters
Input Voltage:	5V DC, 12V/15V DC or 24V DC
Switching Level:	1.55V, 6.7V or 15.1V respectively
Input Current:	15mA typically
Input Frequency:	Up to 300kHz (default filter setting)
Slew Rate:	>10 mV/s
Counter Mode:	Software selectable

Output

Function:	1 digital 24V DC/200mA output per counter for comparator match with inductive load protection
Output Frequency:	Up to 10kHz

Common

Isolation:	1500V DC between I/O and system; 100V DC between inputs
Interrupt Character.:	Level or edge sensitive
Counter Resolution:	24-bit
Max. Counter Freq.:	2 MHz if used without filtering
Power Cons.:	85mA/5V (min.), 150mA/5V (max.)
Temp. Ranges:	0ºC to +70ºC -40ºC to +85ºC (opt. E2) -55ºC to +85ºC (storage)
Humidity:	5% to 95% non-condensing



An optoisolated general-purpose three-channel, 24-bit counter module possessing 4 operational modes, software configurable functionality, inductive load and reverse polarity protection. Four counter modes (1 normal up/down counter and 3 for incremental encoders with X1, X2 or X4 quadrature modes) are supported that allow the counter to be read transparently with continuous comparisons being made between the actual value and a preset reference or between a connected encoder and reference. Interrupts can be generated and serviced depending on a variety of input/output conditions and may be programmed to be edge or level sensitive.

Product	Description	Order No.
PB-CNT2	ModPack with 3 independent 24-bit counters each with 3 optoisolated 24V DC filtered inputs and one 24V DC optoisolated 24V DC comparator MATCH output	**13621**
PB-CNT2	As order no. 13621 but with 12V/15V DC filtered inputs	**13636**
PB-CNT2	As order no. 13621 but with 5V DC filtered inputs	**13637**

CERTIFIED DIN ISO 9001 QUALITY SYSTEM
Reg. No. 0548 - 02

Modular Computers®