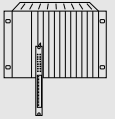


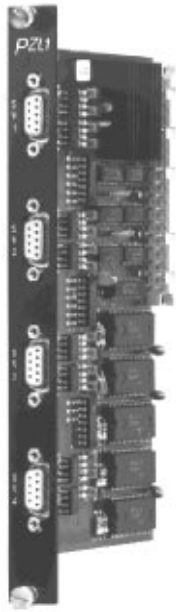
COUNTING AND POSITIONING MODULES, PZL1 - COUNTER MODULE (EVENT COUNTING)

PLC SYSTEMS
MULTICONTROL COMPONENTS

A6



PZL1 - COUNTER MODULE FOR EVENT COUNTING



PZL1

- Fast Counter Module for Event Counting
- All Counter Channels Galvanically Isolated
- Counting Frequency Max. 5 kHz
- Signal Voltage 24 V
- 15 Binary Decremental Counters
- Counting Range 16 Bit

See section A8 "Positioning"

SLOTS

The PZL1 counter module can be operated in the following slots of racks MULTI, MIDI and M264.

Rack	Slot	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
MULTI Base Rack		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MULTI Expansion Rack		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MIDI		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
M264		●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○

● The module can be operated in this slot
 ○ The module cannot be operated in this slot

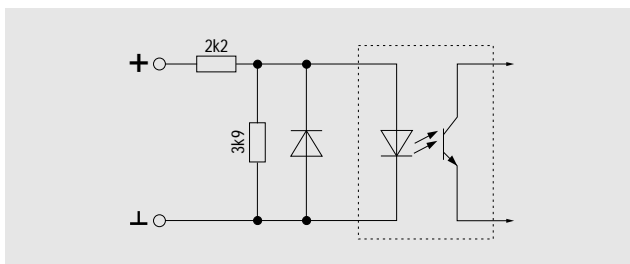
ORDER DATA

ECPZL1-0 Counter Module for Event Counting, 15 Binary 16 Bit Counter, Input Frequency Max. 5 kHz, Signal Voltage 24 V, All Channels are Galvanically Isolated

FUNCTIONALITY

The counters of the PZL1 module are decremental. They count from a predefined value down to 0 and start again from the predefined value. When the counter status reaches 0, a bit is set in the status register.

INPUT CIRCUIT



TECHNICAL DATA

PZL1

Number of Counters	15
Galvanic Isolation	
Channel - PLC	YES
Channel - Channel	YES
Input Voltage	
Nominal	24 V
Max. Permitted	30 V
Input Current	ca. 10 mA
Signal Encoder Supply	External
Switching Threshold	
log. 0 → log. 1	Max. 13 V
log. 1 → log 0	Min. 2.5 V
Input Frequency	Max. 5 kHz
Counting Range	16 Bit Binary
Documentation	Hardware Manual MULTICONTROL
German	MAHWMULTI-0
English	MAHWMULTI-E
French	MAHWMULTI-F
Italian	MAHWMULTI-I
Spanish	MAHWMULTI-S

PIN-OUTS

PIN	SV1	SV2	SV3	SV4
1	-	-	-	-
2	Ref.Pot. Z4	Ref.Pot. Z8	Ref.Pot. Z12	-
3	Ref.Pot. Z3	Ref.Pot. Z7	Ref.Pot. Z11	Ref.Pot. Z15
4	Ref.Pot. Z2	Ref.Pot. Z6	Ref.Pot. Z10	Ref.Pot. Z14
5	Ref.Pot. Z1	Ref.Pot. Z5	Ref.Pot. Z9	Ref.Pot. Z13
6	Counter 4	Counter 8	Counter 12	-
7	Counter 3	Counter 7	Counter 11	Counter 15
8	Counter 2	Counter 6	Counter 10	Counter 14
9	Counter 1	Counter 5	Counter 9	Counter 13

STANDARD SOFTWARE

A standard function block for operating the PZL1 module is included in software package SWSPSTD01-0 (see section A7 "PLC Programming/Standard Software" as well).