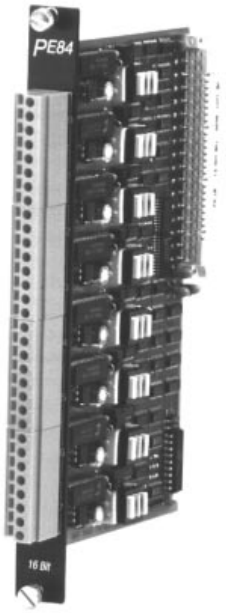

PE84

- 8 Analog Inputs
- Input Signal 0 - 10 V or 0 - 25 mA (Two Module Versions)
- Resolution 16 Bit (at 0 - 10 V) or 15 Bit (at 0 - 20 mA)
- Galvanically Isolated from PLC
- Individual Channels Galvanically Isolated
- Automatic Calibration
- Software Operation with Standard Function Blocks

SLOTS

The analog input module PE84 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

Analog Input Module, 8 channels, galvanic isolation between PLC and channels and individual channels are isolated, automatic calibration

ECPE84-00 - 10 V, Resolution 16 Bit
ECPE84-20 - 25 mA, Resolution 15 Bit

TECHNICAL DATA

TECHNICAL DATA	ECPE84-0	ECPE84-2
Number of Inputs	8	
Galvanic Isolation		
Inputs - PLC	YES	
Channel - Channel	YES	
Input Signal		
Nominal	0 to 10 V	0 to 25 mA
Min./Max.	±22 V	±70 mA
Resolution	16 Bit	15 Bit
Data Updates	Min. 3.9 msec / Max. 6.3 msec for all 8 Channels	
Calibration Time	Min. 0.7 sec, Max. 1.1 sec	
Input Resistance	40 kΩ ±0.1 %	50 Ω ±0.1 %
Input Filter Cutoff Frequency (-3 dB)	6 Hz ±20 %	
Filter Response TIme (to ±79 ppm or 1/2 LSB with maximum input signal change)	145 msec ±20 %	
Linearity Error	±2 LSB	
Measurement Precision	see section "Measurement Precision"	
Galvanic Isolation		
Galvanic Isolation Channel - PLC	270 V_{eff}	
Isolation Resistance Channel - PLC	> 5 MΩ	
Galvanic Isolation Channel - Channel	270 V_{eff}	
Isolation Resistance Channel - Channel	> 5 MΩ	
Grade	4	
Power Consumption		
At +8 V	0.9 W	
At +15 V	2.8 W	
Documentation	Hardware Manual MULTICONTROL	
German	MAHWMULTI-0	
English	MAHWMULTI-E	
French	MAHWMULTI-F	
Italian	MAHWMULTI-I	
Spanish	MAHWMULTI-S	

CONNECTIONS

. Reserved
\+ Positive Connection
\- Negative Connection
S Cable Shield Connection

SOFTWARE OPERATION

The analog inputs are controlled with standard function block AIND. This function block is a standard component of software package SWSPSSTD01-0 (see section A7 "PLC Programming" for more information).