



# A6

## DIGITAL INPUT MODULES, E163 - 16 INPUTS 24 VDC

PLC SYSTEMS  
MULTICONTROL COMPONENTS

E163 - 16 INPUTS 24 VDC



### E163

- 16 Digital Inputs
- Galvanic Isolation
- Input Voltage 24 VDC
- Optional Input Delay 10 msec or 1 msec

#### SLOTS

The E163 input module can be operated in all application slots of racks MULTI, MIDI and M264.

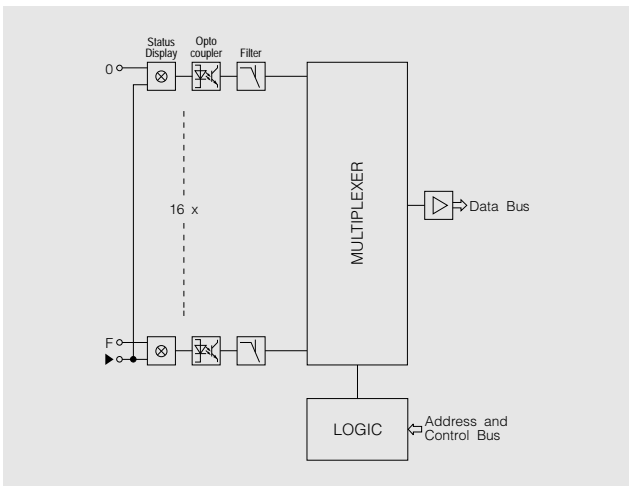
Rack	Slot	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
MULTI Base Rack		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MULTI Expansion Rack		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	● <sup>1)</sup>
MIDI		○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M264		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

#### ORDER DATA

Digital Input Module, 16 Inputs, Input Voltage 24 VDC, LED Status Displays, Galvanically Isolated, Reference Potential GND

- MDE163-0** Switching Delay ca. 10 msec
- MDE163-1** Switching Delay ca. 1 msec

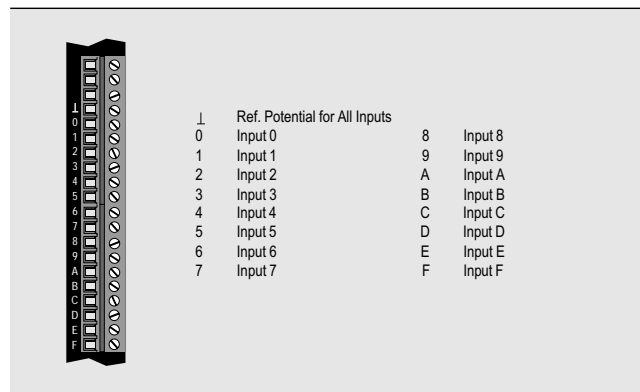
#### DIAGRAM



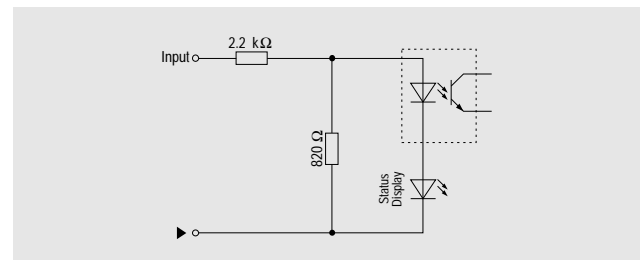
#### TECHNICAL DATA

	E163-0	E163-1
Number of Inputs	16	
Total	-	
In Groups of	-	
Electrical Isolation	YES (Optocoupler)	
Input - PLC	NO	
Input - Input	-	
Input Voltage	24 VDC	
Nominal	18 VDC	
Minimal	30 VDC	
Maximal	-	
Input Resistance	ca. 2.2 kΩ	
Switching Threshold	min. 10 VDC, typ. 12 VDC, max. 14 VDC	
Input Current at 24 VDC	ca. 10 mA	
Switching Delay	ca. 10 msec	
log. 0 → log. 1	ca. 15 msec	ca. 1 msec
log. 1 → log. 0	ca. 15 msec	ca. 1.5 msec
Transfer of Input Status Through CPU	With Change (without latch function)	
Maximum Peak Voltage	500 V for 50 μsec, max. every 100 msec <sup>2)</sup>	
Galvanic Isolation	2500 V	
Input - Logic	1500 V	
Input - Housing	-	
Power Consumption	0.2 W	
At +8 V	-	
Documentation	Hardware Manual MULTICONTROL	
German	MAHWMULTI-0	
English	MAHWMULTI-E	
French	MAHWMULTI-F	
Italian	MAHWMULTI-I	
Spanish	MAHWMULTI-S	

#### CONNECTIONS



#### INPUT CIRCUIT



<sup>1)</sup> If using power supply modules which are equipped with extended diagnostic functions, slot F in the third expansion rack may not be used.

<sup>2)</sup> Standard Pulse 1.2/50 (IEC 60-2)