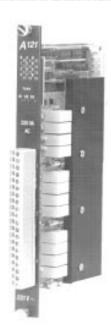


DIGITAL OUTPUT MODULES, A121 / O125 - 12 TRIAC OUTPUTS

PLC SYSTEMS
MULTICONTROL COMPONENTS



A121 / O125

- 12 Digital Triac Outputs in Three Groups
- Switching Voltage 220 VAC / 120 VAC
- Switching Current Max. 2 A per Output
- Galvanic Isolation between the Groups and to the PLC
- No External Protection Circuit Required

SLOTS

The A121 and O125 output modules can be operated in all slots of the MULTI, MIDI and M264 racks.

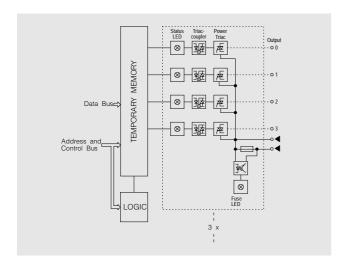
Rack	Slot	0 1 2 3 4 5 6 7 8 9 A B C D E F
MULTI Base Rack MULTI Expansion Rack MIDI M264		• • • • • • • • • • • • • • • • • • •

ORDER DATA

Digital Output Module, 12 Triac Outputs, Three Galvanically Isolated Groups, LED Status Displays

ECA121-0 Switching Voltage 220 VAC ECO125-0 Switching Voltage 120 VAC

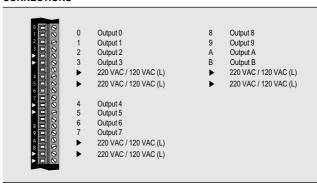
DIAGRAM



When using power supply modules with extended diagnostic functions, slot F in the third expansion rack may not be used.

TECHNICAL DATA	A121	0125	
Number of Outputs Total In Groups of		12 4	
Туре	Т	riac	
Galvanic Isolation Output - PLC Group - Group Output - Output	YES YES NO		
Switching Voltage Nominal Minimal Maximal	220 VAC 90 VAC 250 VAC	120 VAC 90 VAC 144 VAC	
Switching Voltage Frequency	47 to 63 Hz		
Switching Current	See Section "Switching Current"		
Maximum Switching Current per Group	3 A ²⁾		
Leakage Current	Max. 7 mA (w/load, 50 Hz, 220 VAC) ³⁾	Max. 5 mA (w/load, 60 Hz, 120 VAC) 3)	
Maximum Power-on Current (Non-repeating) For 100 msec For 10 msec	12 A 25 A	7 A 12 A	
Minimum Holding Current At 0 °C At 60 °C	_	mA mA	
Voltage Drop	1 V at 2.4 A 0.85 V at 0.7 A	1 V at 2.4 A 0.85 V at 0.5 A	
Switching Delay	Max. 20 msec at 50 Hz	Max. 19 msec at 60 Hz	
Switching Procedure	Switched ON with change in voltage potential Switched OFF with change in current direction		
Transient Voltage	1500 V for Max. 2 msec (at 220 Ω)		
Electric Isolation Output - PLC Group - Group Output - Housing	2500 V (Optocoupler, Distance between lines - 6 mm) 1500 V (Distance between lines - 3 mm) 1500 V (Distance between lines - 3.5 mm)		
Grade	4		
Protection Circuit	No External Protective Circuitry Required		
Power Consumption At +8 V	1.8 W		
Documentation German English French Italian Spanish	Hardware Manual MULTICONTROL MAHWMULTI-0 MAHWMULTI-E MAHWMULTI-F MAHWMULTI-I MAHWMULTI-I		

CONNECTIONS



²⁾ Unless restricted by the max. power loss of the triac (see section "Switching Current")

³⁾ Check engaging current and hold current when controlling relays!