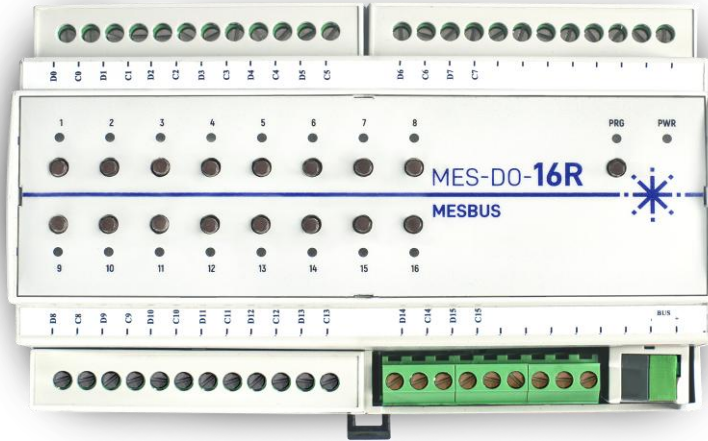


16 Channel Actuator – Mesbus Technical Documentation

MES-DO-16R



Features:

- 16 individual outputs / 8 shutter channels
- Manual output operation with push button and LED status indicator
- 10 Scene functionality
- Total data saving on bus failure
- Possibility of connecting different phases in different outputs
- Programming button and LED indication
- DIN rail mount assembly
- CE Mark

General Product Specifications			
Type of Device		Electric Control Operation Device	
MESBUS Supply	Voltage (typical)	29VDC SELV	
	Voltage Range	21-31 VDC	
	Maximum Consumption	Voltage 29VDC (typical)	mA 11
	Bus Connection	Typical Bus Connector TP1, 0.8 mm ² section	
External Supply	No		
Operating Temperature	0 – 70 °C		
Storage Temperature	-25 to + 75°C		
Ambient Humidity	5 to 95% RH (No Condensation)		
Storage Humidity	5 to 95% RH (No Condensation)		
Manual Test Facility	16 Push buttons are provided for switching and shutter		
Usage	Indoor, to be mounted inside distribution boxes or electrical panels with DIN rail		
IP Class	IP 20		
Dimension	142.3 (L) X 90.5 (H) X 62 (D) mm [8 DIN Units]		
Power Failure Response	Data saving		
Response when Starting	Data recovering and other settings		
Operation Indication	1 Programming LED indicates programming mode (Red) 16 Output status LED indicators reflect current output state (Green) 1 Power LED indicates whether the product is On/Off (Red)		
No. of Individual Outputs	16		
No. of Shutter channels	8		

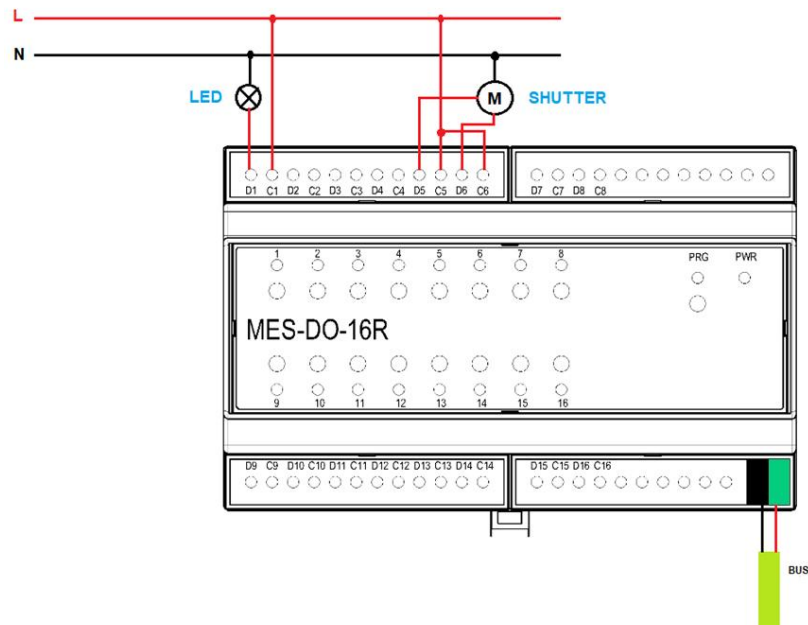
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Output Specifications		
Output Type	Relay based control device	
Output Relay Rating	16A/250VAC	
Rated current by Output	16A*277VAC (4,432 VA))	
Maximum Inrush Current	100 A (Resistive Load)	
Outputs per Common	1 Output (Switching) 2 Outputs (Shutter)	
Different Phases Connection	Possibility to connect different phases in adjoining outputs.	
Connection Type	Screw Terminal Block	
Recommended Cable Selection	0.5mm ² to 4mm ² (26-10AWG)	
Cable Type	Stranded or Solid wire	
Expected Life	Mechanical	10 ⁶ operations
	Electrical	2 X 10 ⁴ cycles

Wiring Example: 1. LED 2. Shutter



SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations.
- Do not connect the mains voltage nor any other external voltage to any point of the Mesbus connector; it would represent a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the Mesbus or the wires of other accessories, in case of being installed.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.

