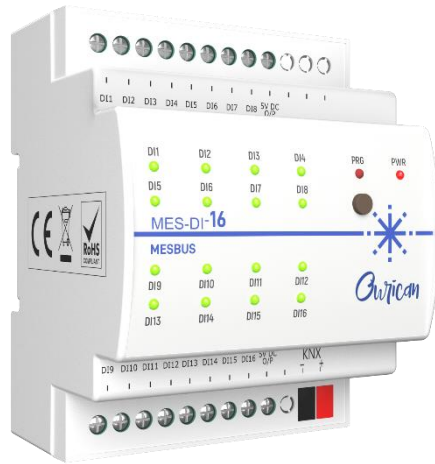


16 Channel Digital Input – MesbusTechnical Documentation

MES-DI-16



Features:

- 16 individual inputs (Non-isolated)
- LED indicator for individual input channels
- Suitable for Switching, Dimming, Shutter, Fan and Scene control
- Din rail mount assembly
- Total data saving on KNX bus failure
- Programming button with LED indicator
- Dimension : 71.3 (L) X 90.5 (H) X61 (D) mm [4 Din Units]
- CE Mark*

General Product Specifications				
Type of Device		Electric operation control device		
MESBUS Supply	Voltage (typical)	29VDC SELV		
	Voltage Range	21-31 VDC		
	Maximum Consumption	Voltage	mA	mW
		29VDC (typical)	25	725
Bus Connection		Typical Bus Connector TP1, 0.8mm ² section		
External supply		Not required		
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)		
Usage		Indoor, to be mounted inside distribution boxes or electrical panels with DIN rail		
IP Class		IP 20		
Power Failure Response		Data saving		
Response when starting		Data recovery		
Operation Indication		1 Power LED indicates whether product is ON/OFF (Red) 1 Programming LED indicates programming mode (Red) 16Input status LED indicators reflect current input state (Green)		

Input Specifications	
No. of individual inputs	16
Inputs per common	8
Operation voltage	5VDC in the common

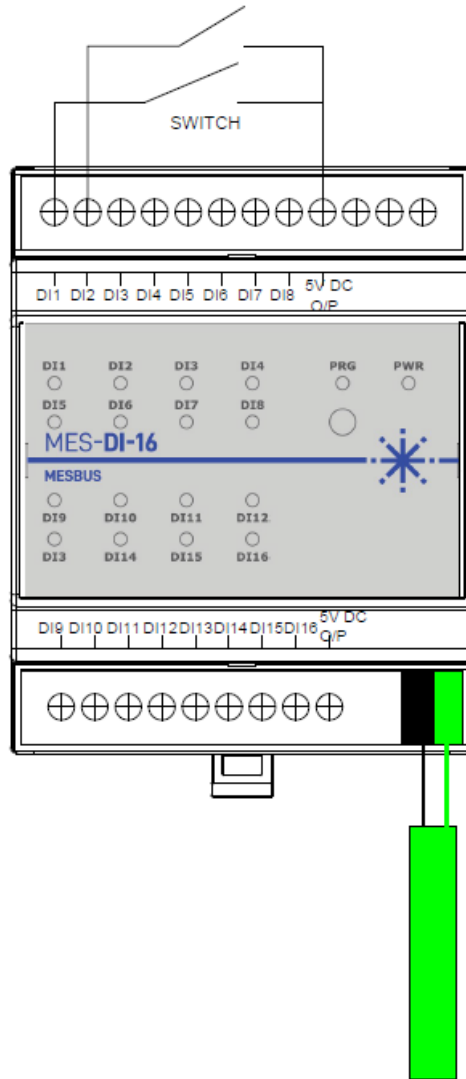
Messung Systems Pvt. Ltd.

501 Lunkad Sky Vista, VimanNagar, Pune 411 014, India.

T: +91 20 6649 2800 | e: info@messung.com | w: www.messung.com

Operation current	2.5 mA @ 5VDC (per input)
Connection method	Screw Terminal Block
Cable cross-section	0.5 mm ² to 2 mm ²
Maximum cable length	30m
Cable Type	Stranded or Solid wire

Wiring Example



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.



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