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MM1-20-2412-11

MM1-20-1612-11

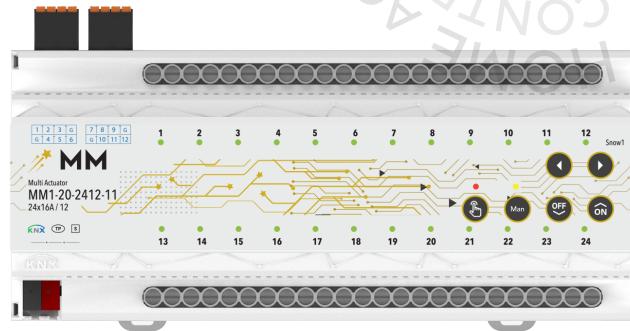
Multi Actuator

24x16A / 12 Digital Input

16x16A / 12 Digital Input

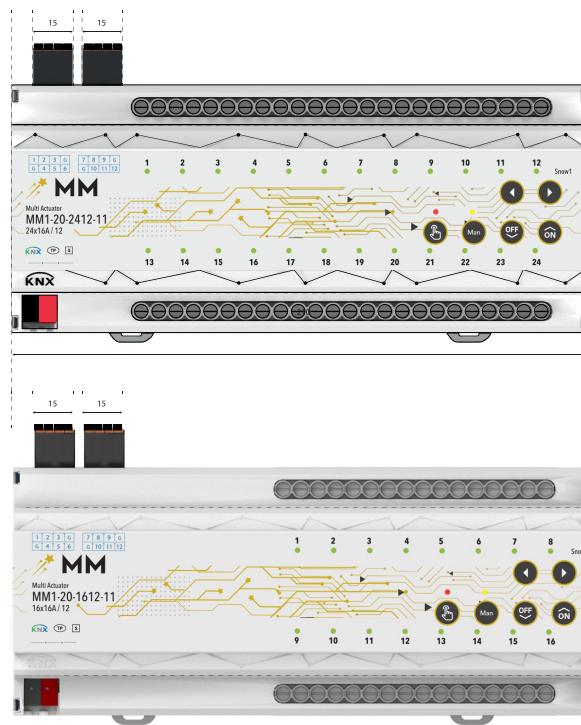
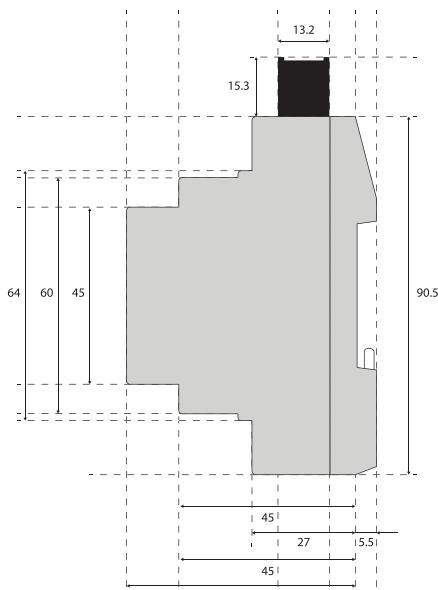
Manages lighting, curtains, blinds, unlucking, air conditioning, water, electricity and energy control like a Maestro.

Lights, Heating, Shutter, Fancoil controls.
The compact multi switch actuator has
24/16 independent 16A switching relays
and 12 binary inputs.



The outputs can be used individually via KNX for switching electrical loads or in pairs for controlling 230V AC roller shutter or blinds drives (no electromechanically interlocking). The device features a manual operation, which can also be disabled. Via the manual operation the outputs can be operated manually and the switching or driving status is displayed. The device is powered by KNX and requires no additional power supply. Works as a binary inputs for connecting conventional push buttons or potential-free contacts.

Dimension Drawing

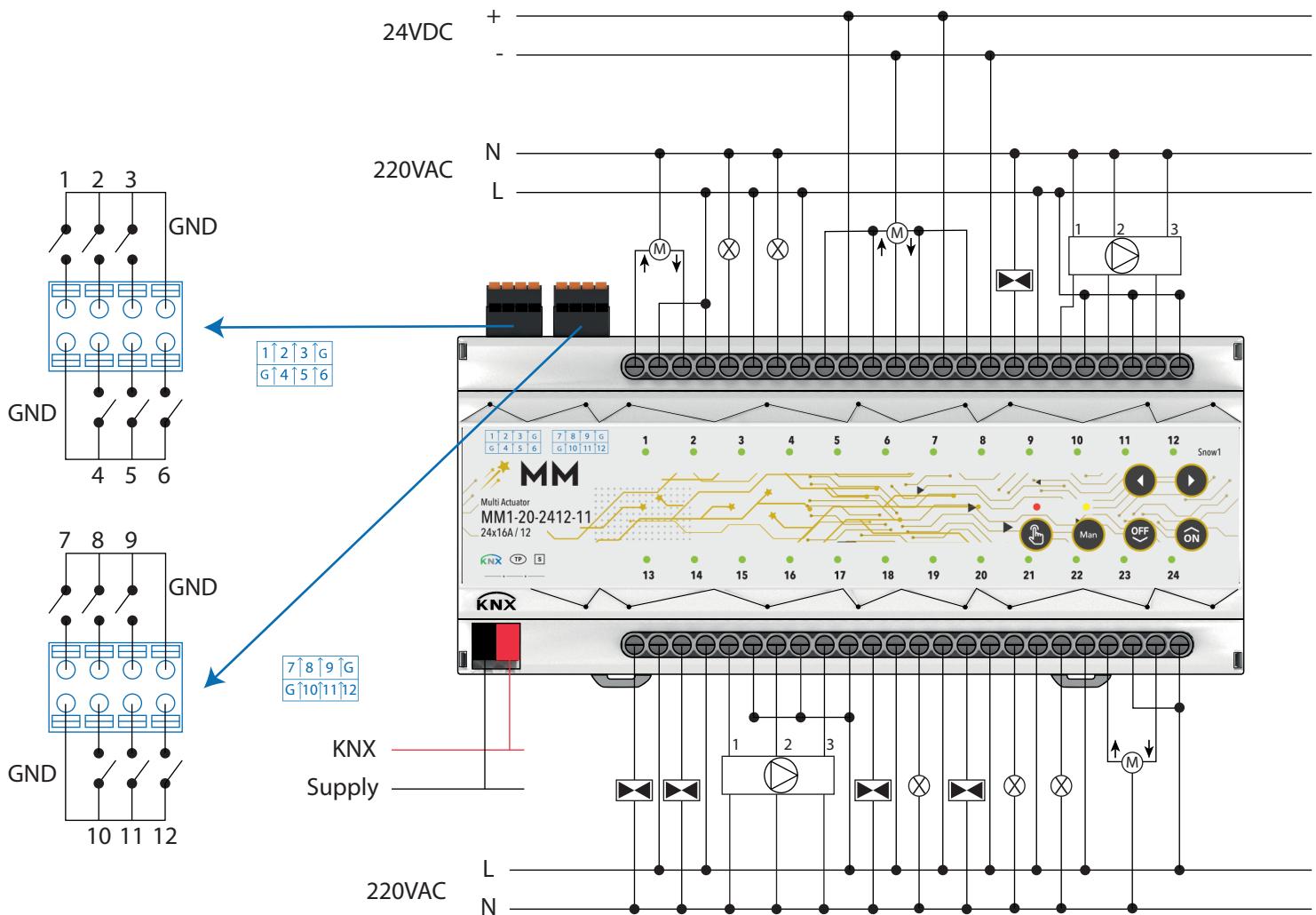


The logo for KNX, featuring the letters 'KNX' in a bold, sans-serif font, with a thick horizontal line above the 'K' and 'N'.

Device Technical Data

Protection Grade	IP 20	EN 60 529
Safety Class	II	EN 61 140
Power Supply	Voltage Current consumption	21V... 30V DC, SELV ≤ 10 mA
Connections	Screw terminals	0,5...3,31 mm ² solid and stranded wire 0,5...3,31 mm ² stranded wire with ferrule 0,5 Nm
Type of load	Incandescent lamp Halogen lamp Inductive loads, transformer Electronic drivers	4000 W 4000 W 2000 W 1500 W
Type of contact	Potential-free, bistable	
Input	Number Scanning voltage Current Cable length	12 binary inputs 5 V pulsed 1 mA < 300 m
Output	Number Switching voltage Switching current 250 V AC Switching current 250 V AC, capacitive loads Maximum switching power Mechanical life	24 / 12 out put 250 V AC; 50/60 Hz 16A / AC 1 16A (200 μ F) 4000 VA > 1 x 106
Installation	35mm mounting rail	EN 60 715
Operating Elements	LED (red) and button	For physical address
Temperature Range	Ambient Storage	-5° C + 45° C -25° C + 55° C
Humidity	max. air humidity	
Configuration	Configuration with ETS	85 % no moisture condensation
Dimensions	D x W x H in mm	60,5 x 210 x 90,5
Weight	0,65 kg	
Material	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage	

Connection Schematic



Outputs

OUT A-B	Shutter - Blind
OUT C	Lighting
OUT D	Lighting
OUT E-F-G-H	Shutter - Blind DC

OUT I-J-K-L 2 Pipes - FanCoil
OUT M-N-O-P-Q 4 Pipes - FanCoil
OUT R Heating
OUT S Lighting

OUT T Heating
OUT U Lighting
OUT V Lighting
OUT W-X Shutter - Blind