

LCN-R4M2H

Relay Module with 4 Motor Outputs DIN rail mounted



Description:

The LCN-R4M2H is a relay block for the control of up to eight motors (4x two motors parallel) for the LCN Bus system. It must be connected to an intelligent bus module such as the LCN-SH, LCN-HU or LCN-LD. The contacts are pre-wired and labeled making it simple to connect and control 230V motors.

Field of application:

The LCN-R4M2H relay block is used to control up to eight 230V motor drives enabling control of 4 motor pairs in parallel. It is designed for use with shading systems e.g. shutter control. Used in conjunction with binary sensors (LCN-B8x and LCN-BS4) enables accurate position control.

Note:

A minimum load of 5V 10mA is needed to prevent oxidation of the contacts. This is less than that of other relay blocks due to the contact material (AgNi 90/10). This however renders the relay block less resistant to current surges than that of other relay blocks e.g. LCN-R8H.

When planning the contact loads pay special attention to the switch on and reactive currents.

Hardware equipment:

8 relays for load switching with potential free contacts (N.O and N.C) pre-wired for use with motors rated at 250V /8A, AC 1

1800VA switching capacity; max. 3600VA circuit power

Cable with plug for P-Port connection to the intelligent bus module

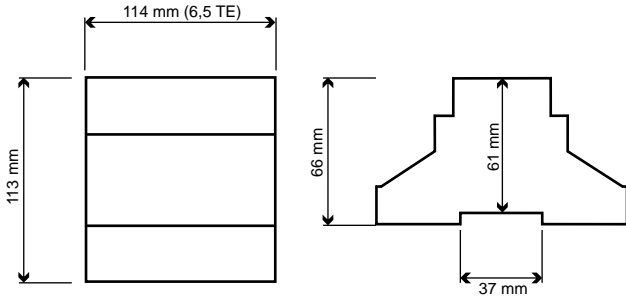
Plug in relays

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Dimensions:

Mass (W x L x H): 114 mm x 113 mm x 66 mm
Supply Cable: 180mm



Height: 66mm
 61mm via DIN rail

Space requirement: 6,5 TE

Assembly: Attached built-in device on 35 mm mounting rail (DIN 50022) or screw fixture

Technical Data:

Connection:
 Supply voltage: 230V ~ ±15%, 50Hz
 Input power: <2W

Terminals: screwless max. 16A
Cable type: single or multi-core max. 2,5mm² or with insulated ferrules (max. 1,5mm²)

Relay:
 Nominal current: 8A / AC1 (resistive load)
 Max. starting current: 30A
 Operation current: 10mA - 8A / per motor (max. 16A total / all motors)
 Rec. contact voltage: >5V
 Contact material: AgNi 90/10

General Details:
 Operating temperature: -10°C to +40°C
 Humidity: max. 80% rel., non condensing
 Environmental conditions: stationary installation according to VDE 632, VDE 637

Safety classification: IP 20

Circuit Diagram

