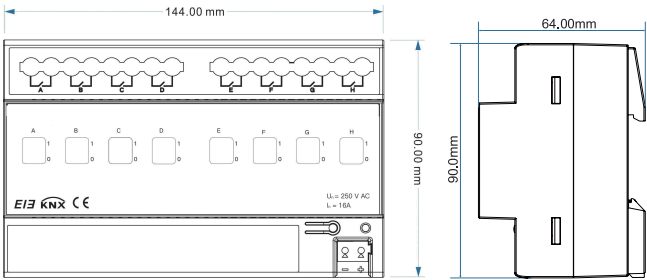


8-fold 16A Switch Actuator Datasheet

Applicable Model:
LY/K0816412J

KNX International Standard Home and Building Control System

Dimensions



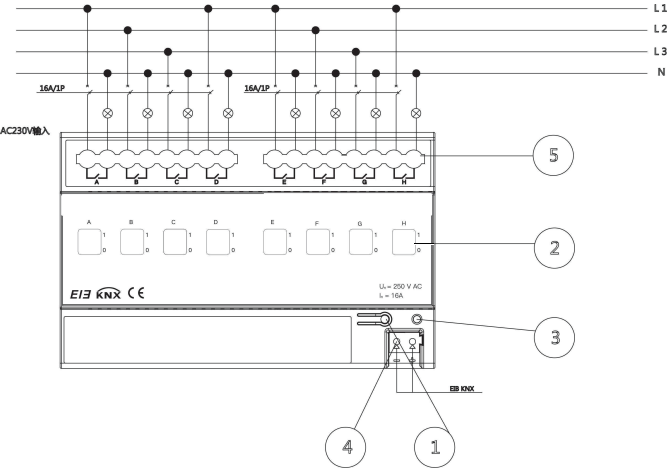
Dimension	Weight
144 x 90 x 64mm	0.51kg

Product Feature

- Manual control switch
- Time function: delay on/off time
- Scene, Preset Controls:5bit/1bit
- With and,or,XOR, gate function and other logic functions
- Status value query reply
- Mandatory operation, safety function
- Threshold function
- Control of Electrothermal Valve Driver
- Relay switch position selection after bus voltage disconnection and recovery
- Output negated
- Stair lighting function with early warning and adjustable stair lighting time

Equipment operation does not require additional supply voltage, directly via EIB/KNXBus powered.

Wiring Diagram



Technical Parameter

Power	—Operating Voltage	21~30V DC, provided by bus
Output normal value	—Type	KG
	—The number of outputs	8
Output switch current	—UnRated voltage	250V/440V AC(50~60Hz)
	—meets theAC1(EN60947-4-1)(resistive load) 20A/230V	
Connection	—meets theAC3(EN60947-4-1)(capacitive load) 16A/230V	
	—meets EN60669 load of fluorescent lamps 16A/230V	
Operation and Instructoins	—EIB / KNX	Bus connection terminal (φ0.8mm)
	—Load output connecti on terminal	Screw terminal
Temperature range	—Cabel cross section	Single core 0.2—6.0mm ²
		Multi-core 0.2—4mm ²
Environmental conditions	—Contact position in dication	Contact closed - channel open
	—Contact released - channel closed	
Design	—Red Led and keys	Allocate phosical addresses
	—Green Led flicker	Indicates that the device appli- cation layer is working properly
CE	—Run	-5 °C ... + 45 °C
	—Storage	-25 °C ... + 55 °C
Certification	—Transporatation	- 25 °C ... + 70 °C
	—Humidity	<93%, except for conden- satioin
Design	—DIN Rail Module assembly, 35mm Din rail	
	—meets the EMC and low voltage standards, EN50 090-2-2	
CE	—EIB/KNX Certificatoin	

Instruction

- ① Programming button
- ② Manual operation switch
- ③ The red LED indicates that the physical address programming state has been entered, and the green LED flashes to indicate that the device application layer is working normally.
- ④ EIB/KNX bus connection terminal.
- ⑤ Input, output and load terminals

Installatoin Notes

This equipment is designed as a modular installation device according to EN 60715 series for quick and easy installation in a distribution box or small box. It can be installed on a 35 mm DIN rail. During installation, it is necessary to ensure that the equipment is operated, tested, inspected, maintained and repaired correctly.

Important Hint

- Installation and commissioning of equipment should only be performed by qualified and skilled electricians. During planning and implementation of electrical installations, relevant standards, directives, rules and instructions are strictly enforced.
- Devices need to be protected from moisture, dirt, and damage during transportation, storgae and use.
 - Do not operate the device outside of specified specifications(such as temperature range).
 - The device can only be operated in a closed enviornment(such as distribution box)
- When the equipment is dirty,only use a dry cloth to clean it. If this is not enough to clean, you canwipe with a damp cloth dampened with a little soap solution. Never use alkaline agents or corrosive solvents.