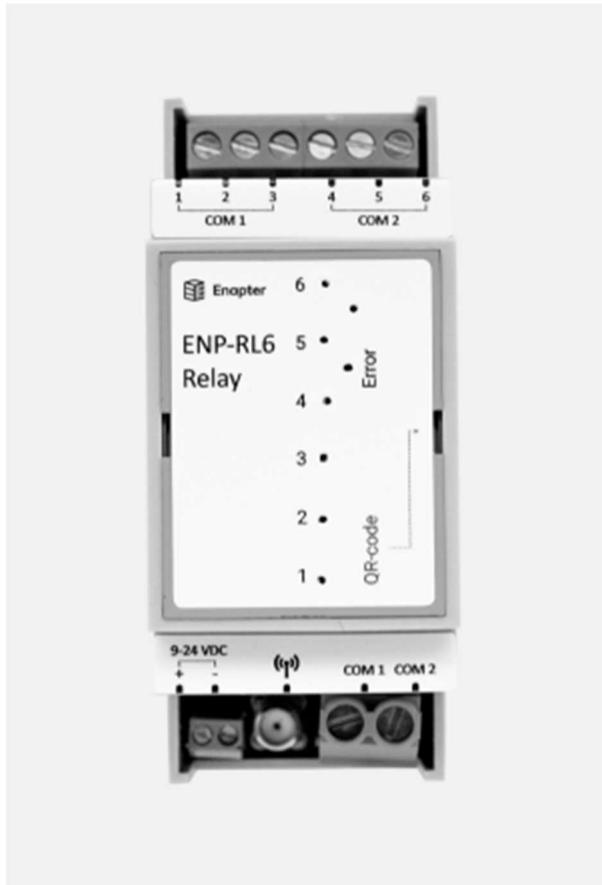


Enapter ENP-RL6 Module Datasheet



Relay Module

The Relay Module is used to control low-power load without high inrush currents. For example: a normal closed valve, a normal open valve, signal lamps or intermediate contactors. The Relay Module sends the collected data to the Enapter Gateway and Cloud via secure wireless connection.

Technical Data

Voltage	9...24 V DC
Wireless Communication	Wi-Fi 2.4 GHz Bluetooth 4.0 LE
Antenna connection type	SMA-F (module) – SMA-M (antenna)
Local signaling	1 LED (green) steady – correct operation blinking – establishing connection with server
	1 LED (red) module error
Current consumption	50 mA 12 V DC, max. 300 mA
Mounting	35 mm Din rail acc. to IEC 60715
Height	90.2 mm (3.55 inch)
Depth	57.5 mm (2.26 inch)
Width	36.3 mm (1.43 inch)
Net weight	0.090 kg

Environmental Conditions

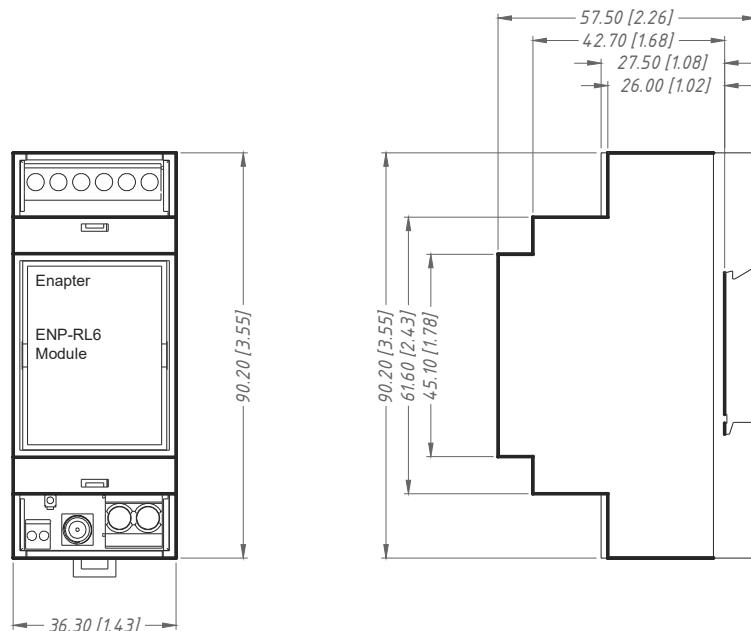
Ambient air temperature for operation	-40...+60 °C
Ambient air temperature for storage	-40...+60 °C
Relative humidity for operation	20...90 %, without condensation
Relative humidity for storage	20...90 %, without condensation
Operating altitude	0...700 m
Storage altitude	0...3500 m
Pollution degree	2
IP degree of protection	IP20

Connected device

Type	Normal closed valve Normal open valve Signal lamp Intermediate contactors
Connection	Screw terminal block
Contact Configuration	Normally open
Output Configuration	Two groups of 3 outputs, a common wire in each group
Maximum switching voltage	AC 250 V
Maximum switching voltage	DC 30 V
Maximum switching current per channel	7 A

Dimensions

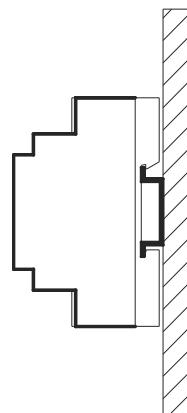
The dimensions are in mm and in brackets in inch.



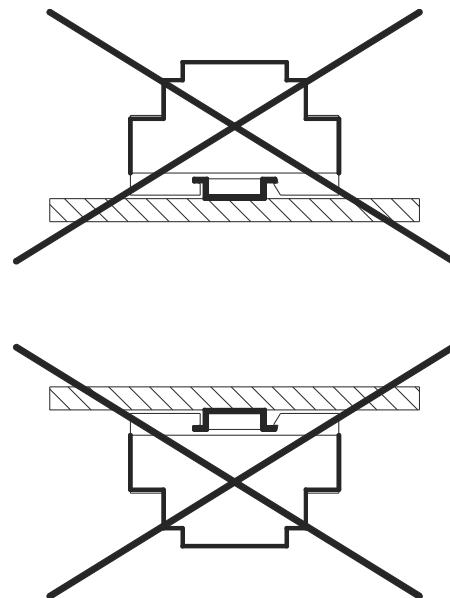
Mounting

The ENP-RL6 Module must be horizontally mounted on 35 mm DIN rail according to IEC 60715.

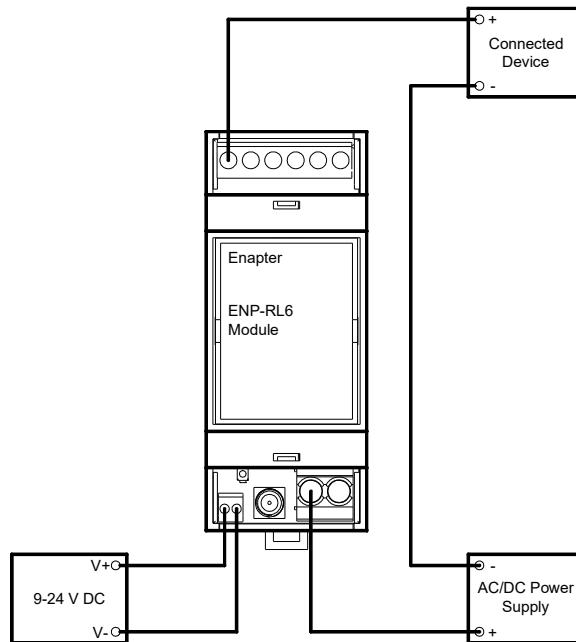
Correct Mounting Position



Incorrect Mounting Position



Connection Examples



Note: 1 Amp Circuit Breaker recommended to use on power line for the ENP-RL6 Module.