

# DIN RAIL MODULE 25A

## INSTALLATION NOTICE

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- ✓ When mounting the Smart DIN Rail modules adjacent to each other, a minimum of 1/2 unit should be preserved to ensure enough ventilation of the heat dissipation. Ensure the correct spacing by using the correct blank plates.
- ✓ The modules can only be mounted adjacent to each other without spacing for continuous load below 14A.
- ✓ Preferably place the modules at the bottom of the distribution board.
- ✓ Ensure that the temperature inside the cabin does not exceed 45°C. If needed, provide additional (forced) ventilation and sufficient air extraction at the top of the cabin.
- ✓ Application example: in a 12 unit small electrical cabinet, ventilation must be provided starting from 3 modules.

## Radio Signal range

### When using the external antenna:

- ✓ Range up to 30m for line of sight
- ✓ Penetration: one massif (concrete) wall or floor, up to three dry walls or up to two brick walls or floors

### When using the internal antenna (no antenna plugged in):

- ✓ Range up to 15m

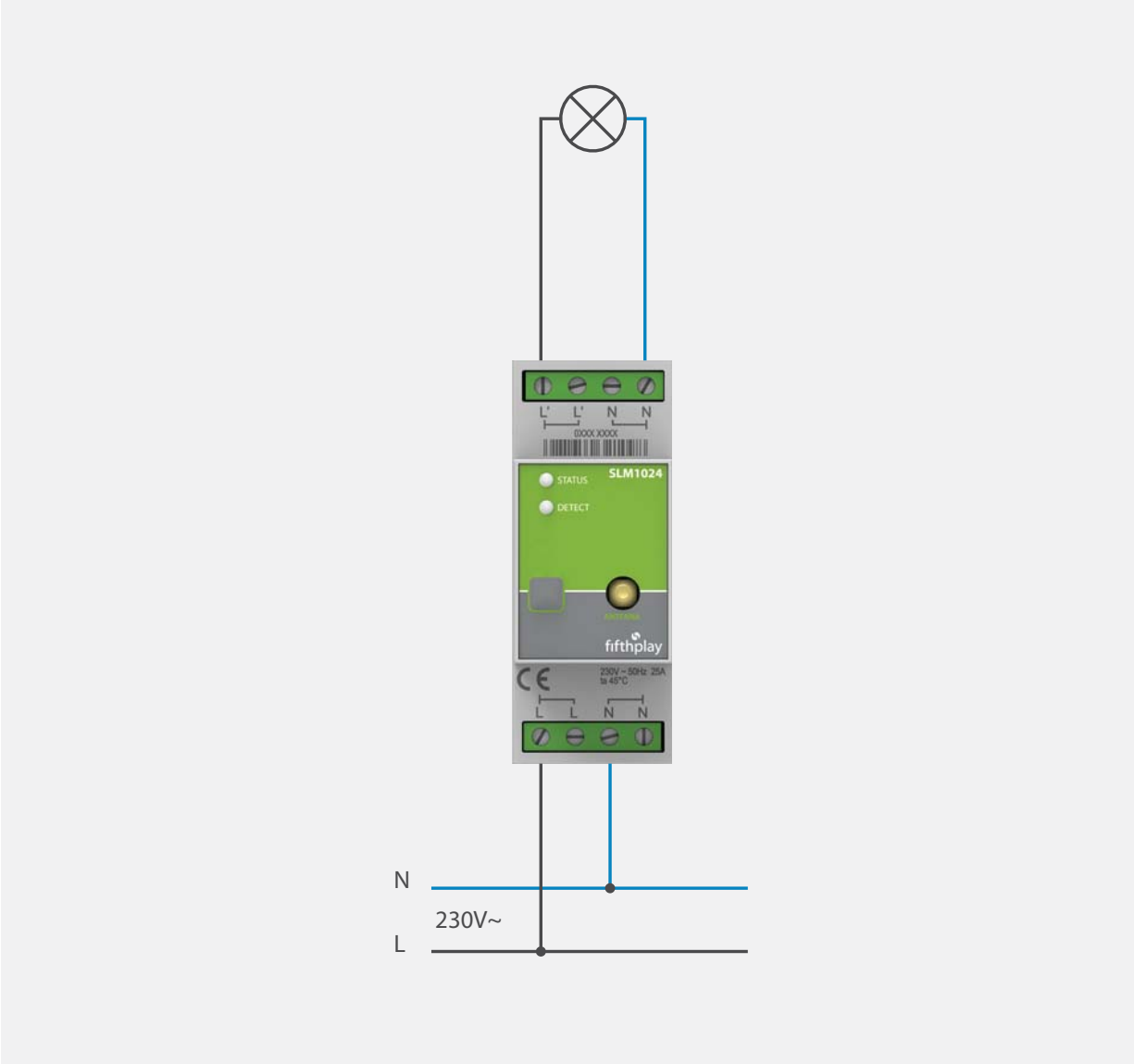
### Distance between gateway and DIN module:

- ✓ For a module equipped with external antenna a distance of one meter should be respected between gateway and the external antenna of the DIN rail module
- ✓ For a module equipped without external antenna, gateway and DIN rail module can be mounted adjacent to each other

## Use of an external magnetic base antenna

When using an external magnetic base antenna, the antenna should be mounted on a metal surface of minimum 15x15 cm. If necessary an external metal base plate should be provided.

WIRING DIAGRAM



Non switchable, load max. 25A

## TECHNICAL SPECIFICATIONS

Parameter	Min.	Nominal	Max.	Unit	Conditions
<b>Mechanical</b>					
Module width		35.5		mm	2U
Module height		90		mm	
Module depth		66		mm	
Max. connectable wire diameter			4	mm <sup>2</sup>	2 clamps provided per connection
<b>Power</b>					
Voltage	207	230	253	VAC	
Frequency		50		Hz	
Own consumption		270		mW	230VAC, 50Hz, 25°C
<b>Energy measurement</b>					
Maximum allowed current			25	A	
Metering range	1		5750	W	At 230VAC, 50Hz (25,0A)
Accuracy		+/- 0.5W +/- 2% +/- 3% +/-2% +/-3%	+/-4% +/-5%		1W - 5W (resistive, capacitive, inductive) 24.5A; resistive 24.5A; capacitive, inductive 24.5 - 25A; resistive 24.5 - 25A; capacitive, inductive At 230 +/-1% VAC; 25°C
<b>RF communication</b>					
Frequency		868.0 - 868.6 868.7 - 869.05		MHz	Non-specific short range device
Antenna					Internal or external antenna SMA / SMB connector
<b>Environmental conditions</b>					
Operating temperature	0		45	°C	Non-condensing environment