

DIN RAIL MODULE 16A

INSTALLATION GUIDELINES

- ✓ When mounting the modules adjacent to each other, a minimum of ½ unit spacing 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

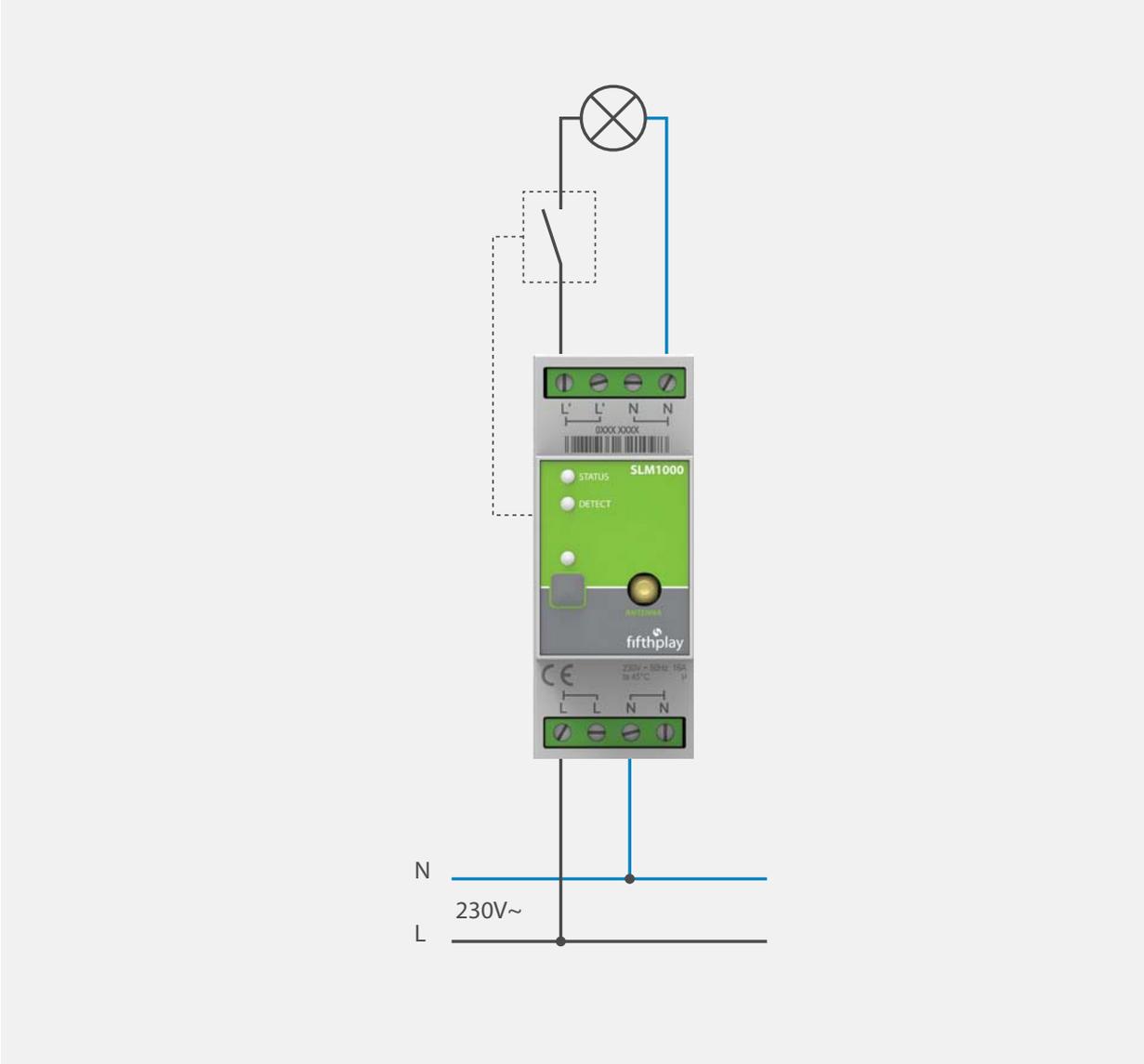
Distance between gateway and DIN module:

- ✓ For a module equipped with external antenna a distance of one meter should be respected between gateway and the antenna
- ✓ 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



Switchable, load max. 16A

TECHNICAL SPECIFICATIONS

Parameter	Min.	Nominal	Max.	Unit	Conditions
Mechanical					
Module width		35.5		mm	2U
Module height		90		mm	
Module depth		66		mm	
Max. connectable wire diameter			4	mm ²	2 clamps provided per connection
Power					
Voltage	207	230	253	VAC	
Frequency		50		Hz	
Own consumption		270		mW	230VAC, 50Hz, 25°C
Load					
Outgoing current			16	A	Resistive (cos phi = 1); maximum startup current 80A during 20 ms
			6	A	Energy saving light bulbs, LED, HF lamps with electronic ballast
			10	A	All other inductive and capacitive loads
Switch cycles		50 x 10 ³			cos phi = 1; 16A; 250VAC; 25°C
Relay					Bi-stable relay; single pole
Energy measurement					
Maximum allowed current			16	A	
Metering range	1		3680	W	At 230V AC, 50Hz (16,0A)
Accuracy		+/- 0.5W +/- 2% +/- 3%			1W – 5W (resistive, capacitive, inductive) resistive capacitive, inductive At 25°C
RF communication					
Frequency		868.0 - 868.6 868.7 - 869.05		MHz	Non-specific short range device
Antenna					Internal or external antenna SMA / SMB connector
Environmental conditions					
Operating temperature	0		45	°C	Non-condensing environment