

DIN RAIL MODULE 63A

INSTALLATION NOTICE

- ✓ Only use the current clamps supplied with the module to ensure that measurements are accurate.
- ✓ 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

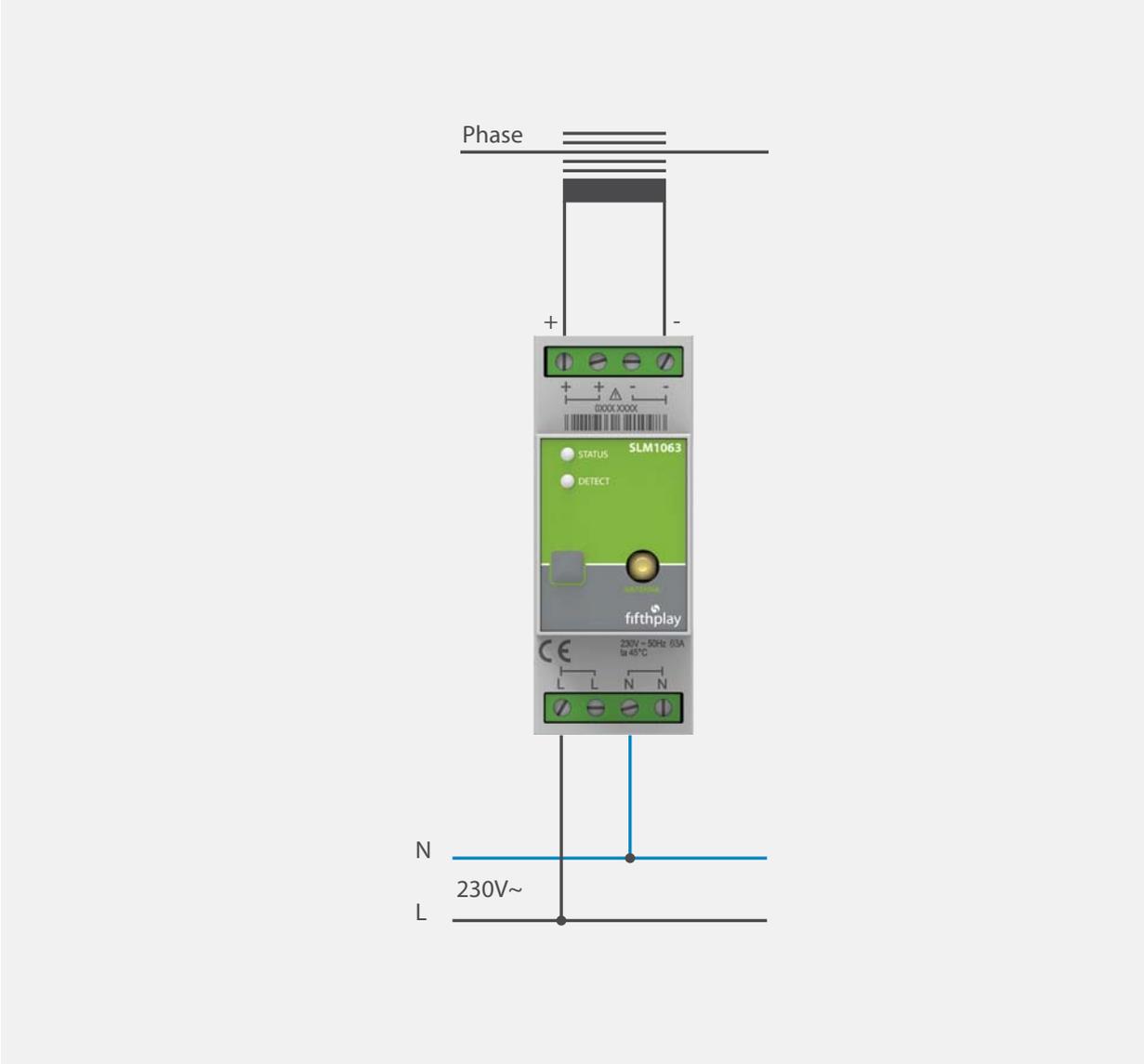
Distance between gateway and DIN module:

- ✓ 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



Indirect measurement, load max. 63A

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		1 x 10 6 x 2,5 9 x 1,5		mm ²	
IP degree					IP 20
Recommended/highest tightening torque		0.5/0.6		Nm	
Stripping length wire		6.5 ÷ 7		mm	
Length of connector cable at the current clamp		100		cm	
Power					
Voltage	207	230	253	VAC	
Frequency		50		Hz	
Own consumption		270		mW	230VAC, 50Hz, 25°C
Energy measurement					
Maximum allowed current			63	A	
Metering range	5		14500	W	At 230VAC, 50Hz (63,0A)
Accuracy					IEC62053-21 class 1 (R), class 2 (L)
RF communication					
Frequency		868.15; 868.45 868.86 - 869.05		MHz	Non-specific short range device
Antenna					Internal or external antenna SMA / SMB connector
Environmental conditions					
Operating temperature	0		45	°C	