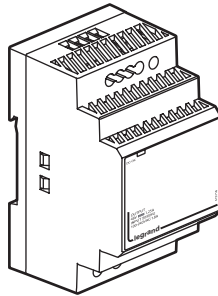


## 48 VDC - 1.25 A power supply unit

Cat. No(s): 4 131 10



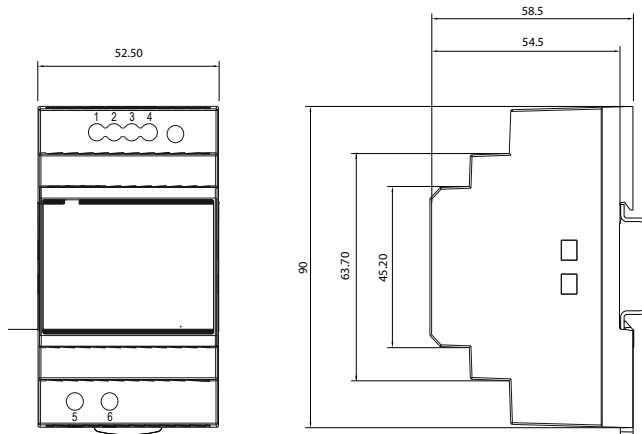
### 1. PRESENTATION

The 48 VDC - 1.25 A - 60 W power supply is used to power the switch ref. 413109.

### 2. SELECTION CHART

Description	Cat. No.	No. of modules	Weight (g)
48 VDC - 1.8 A power supply unit	4 131 10	3	205

### 3. DIMENSIONS



### 4. TECHNICAL CHARACTERISTICS

#### 4.1 Mechanical characteristics

Grey plastic cover : ral 7035  
IP20 - IK04  
Tensile resistance on DIN rail: 100 N  
Can be mounted on TS-35/7.5 or 15 DIN rail  
Air cooling by natural convection

#### 4.2 Electrical characteristics

The power supply must be installed in the distribution board and comply with a ventilation distance of 5 mm on the left and right, 40 mm above and 20 mm below it.  
Complete universal AC input  
Protection against: short circuits/overloads/overvoltages  
Class II insulation  
Voltage present LED indicator  
Burn-in test at 100% of total load

## 4.3 Specifications

OUTPUT	DC Voltage Nominal Current Current Range Nominal Power Ripple And Noise (Max.) Adj. Voltage Range Voltage Tolerance Line Setting Range Load Setting Range Settling Time Rise Time Holding Time (Typ.)	48 V 1.25 A 0 to 1.25 A 60 W 240 mV peak to peak 43.2 to 55.2 V +/- 1.0% +/- 1.0% +/- 1.0% 500 ms, 50 ms/230 VAC 500 ms, 50 ms/115 VAC at full load 30 ms/230 VAC 12 ms/115 VAC at full load
INPUT	Voltage Range Frequency Range Consumption Output (Typ.) Ac Current (Typ.) Inrush Current (Typ.)	85 to 264 VAC 120 to 370 VDC 47 to 63 Hz 1.2 to 0.8 A 91% 1.2 A/115 VAC 0.8 A/230 VAC 30 A/115 VAC cold 65 A/230 V AC
PROTECTION DEVICES	Overload	105 to 160% of nominal output power Protection type: limitation of the continuous current, automatic recovery following acknowledgement of the failure condition
	Overvoltage	56.5 to 64.8 V Protection type : Shut down o/p voltage, re-power on to recover
ENVIRONMENT	Operating Temperature Operating Humidity Storage Temperature, Humidity Temperature Coefficient Vibration	-20°C to +50°C 20% to 90% RH without condensation -40°C to +85°C, 10% to 95% RH without condensation ±0.03%/°C (0 to 50°C) RH without condensation 10 to 500HZ, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes ; Mounting : compliance to IEC60068-2-6
SAFETY	Safety Standards Withstand Voltage Insulation Resistance	UL62368-1, EN61558-2-16 Input-Output: 4 KVAC Input-Output: 100 MOhms/500 VDC/25°C/ 70% RH
OTHER	Mean Time Between Failures	927.6 K hours min. MIL-HDBK-217F (25°C)

## 5. COMPLIANCE AND APPROVALS

UL62368-1 : Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements

EN61558-2-16 : Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units