CODE: **RP1648** v.1.0/I   **EN***

TYPE: **RP 48V/16x0,5A RACK mounted power supply for up to 16 IP cameras**

CE

Features:

- DC 16x0,3A/48V uninterruptible power supply for powering IP cameras (15,4W/ channel)
- 16 outputs independently protected by 0,5A polymer fuses PTC
- wide range of mains supply AC: 176÷264V AC
- built-in power factor correction system (PFC)
- high efficiency 86%
- LED optical indication: AC, DC, TEMP, ALARM
- acoustic indication of failure
- control of voltage presence at the PoE outputs
- designed for 10Mbit/s and 100Mbit/s network
- power over pairs: 4/5(+), 7/8(-)

- the ALARM technical output of collective failure – relay type, activated by:
  - 230V AC power loss
  - activation of the output fuse in the camera power supply circuit
  - too high temperature of the PSU (>70°C)
  - the PSU failure
- protections:
  - SCP short-circuit protection
  - OVP overvoltage protection
  - overvoltage protection
  - overload protection OLP
- forced cooling (fan)
- warranty – 2 year from the production date

DESCRIPTION

The **RP1648** power supply unit is designed for uninterrupted power supply of up to 16 IP cameras requiring stabilized voltage of **48V DC.** The PSU is fitted with 16 outputs protected independently with polymer fuse PTC 0,5A. The power is carried over the spare pairs (4/5 & 7/8), which, according to the Ethernet network standard, are not used for data transmission (data transmission uses 1/2 and 3/6 data pairs). The power supply is fitted with the **ALARM** output of collective failure. In case of failure, relay contacts are switched automatically, which is accompanied by acoustic and optical indication (the corresponding led goes on). The power supply construction is based on the switch mode PSU with high energy efficiency and is located in an enclosure adapted for mounting in standard **RACK** 19" cabinets.

The PSU can not be used in Gigabit Ethernet networks, where all twisted pairs are involved in the transmission of data!

SPECIFICATIONS	
Mains supply	176÷264V AC
Current up to	1,2A@230V AC max.
Supply power	240W max.
Efficiency	86%
Power factor PF	>0,95 @230V AC
Output voltage	48V DC
Output current	**16 x 0,3A (Σ I = 5A max.)**
Ripple	240 mV p-p max.
Short-circuit protection SCP	105% ÷ 150% of the PSU power, automatic return
Overload protection OLP	16 x PTC 0,5A, polymer fuse
Overvoltage protection OVP	>62V (activation requires disconnecting the load or supply for about 20 s.)
Surge protection	varistors
Optical indication of operation:	LED: AC, DC, TEMP, ALARM
Acoustic operation indication:	Piezoelectric indicator ~75dB/0,3m
The ALARM technical output of collective failure	Relay type: 1A@ 30VDC/50VAC
The F_{MAINS} fuse in the 230V power supply circuit	T 6,3A
Operating conditions	2nd environmental class, -10 ^{o}C÷ +45°C
Enclosure	Steel plate RAL 9005, black
Enclosure dimensions	W=19", H=2U; 482 x 88 x 223 mm (WxHxD)
Net / gross weight	5,46kg / 5,90kg
Fixation	four-point butt mounting to RACK profiles – the set include 4 M6 screws + cage nuts
Declarations, warranty	CE, RoHS, 2 year from the production date
Notes	230V AC input: the IEC C14 socket with a fuse, power cable 1,5m (included) Outputs: ALARM, Φ0,5-2,1 (AWG 24-12) 0,5-1,5mm^2 Outputs: PoE, LAN: RJ45 8P8C Forced cooling (fan)