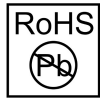
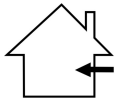




Switch mode power supply adapters

PSA12005, PSA12010, PSA12015

EN



Edition: 1st from 09.07.2010

Supercedes edition: _ _ _ _ _

1. Technical description.

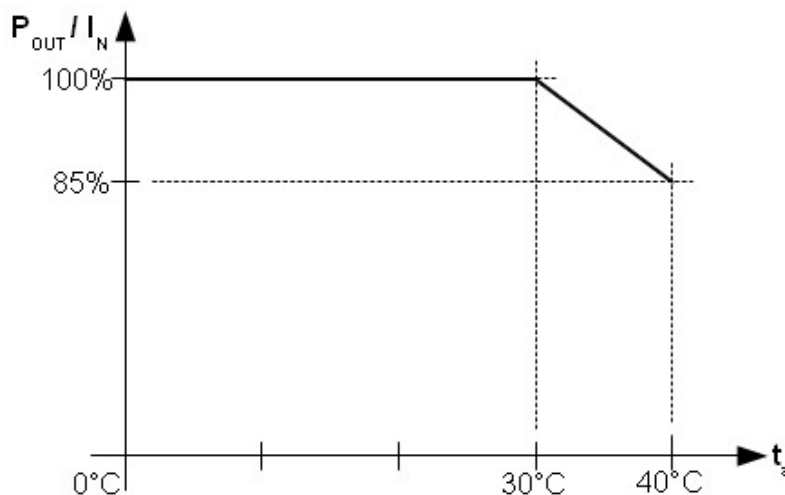
1.1. General description.

Stabilised DC power supply is intended for cameras installed in CCTV industrial systems. The unit has a cable with a DC5.5/2.1 pin. When connected to fuse blocks of the LB4/xx/xx or LB8/xx/xx family, the power supply unit can feed more cameras (max. 4 or 8). The unit is protected against short-circuit and overload.

1.2. Technical parameters.

	PSA12005	PSA12010	PSA12015
Dimensions (L x W x H)	59 x 39 x 65 mm	70 x 29 x 76 mm	71 x 46 x 68 mm
Net/Gross weight	70g/80g	80g/95g	100g/120g
DC plug	DC5,5/2,1 female		
Cable length	145 cm		
Supply voltage	110 V± 240 V AC 50/60 Hz		
Output power	6W _{MAX}	12W _{MAX}	18W _{MAX}
Output voltage	12 V DC		
Maximum output current for t_{AMB}<30°C	500mA*	1000mA*	1500mA*
Maximum output current for t_{AMB}=40°C	350mA*	700mA*	1000mA*
Short circuit protection SCP / overload protection OLP	Yes	Yes	Yes
Operation status indication	Yes - LED diode	No	Yes - LED diode
Operation conditions	0°C ÷ 40°C , RH 10 ÷ 90 % , no condensation		

* - output current of the power supply unit depending on ambient temperature. For temperature above 30°C maximum output current is limited according to graph 1. The power supply operation life time is limited by reliability of the electrolyte capacitors which strongly depends of an operation temperature. Avoid excessive temperature rise of the power supply!



Graph 1 Relation between output current and ambient temperature.

1.3. Accessories.

Following accessories are available for adapters:

- fuse blocks LB4/xx/xx (AWZ573, AWZ574, AWZ575, AWZ576)

Fuse block is intended for connect multiple loads to one power supply unit. Fuse block has four, independently protected outputs. Each output is protected against: overvoltage (varistor) and short circuit / overload. Depends of type of the fuse block, overload / short circuit protection is realized with fuse or resettable PTC fuse.

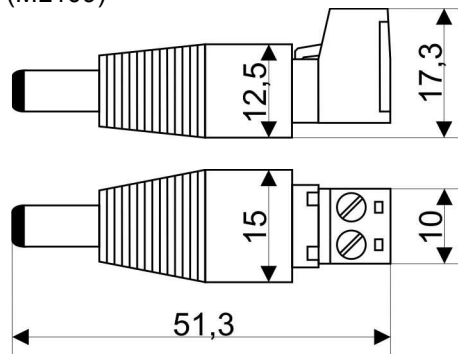
	AWZ573 LB4/0,3A/PTC	AWZ574 LB4/0,5A/PTC	AWZ575 LB4/1,0A/PTC	AWZ576 LB4/0,3-1,0A/FTA
Protections: - short circuit SCP - overload OLP	- 4 x 0,3A PTC	- 4 x 0,5A PTC	- 4 x 1,0A PTC	- 4 x F 0,3A or - 4 x F 0,5A or - 4 x F 1,0A

- fuse blocks LB8/xx/xx (AWZ577, AWZ578, AWZ579, AWZ580)

LB8/xx/xx module is similar to LB4/xx/xx with one exception: LB8/xx/xx has eight outputs.

	AWZ577 LB8/0,3A/PTC	AWZ578 LB8/0,5A/PTC	AWZ579 LB8/1,0A/PTC	AWZ580 LB8/0,3-1,0A/FTA
Protections: - short circuit SCP - overload OLP	- 8 x 0,3A PTC	- 8 x 0,5A PTC	- 8 x 1,0A PTC	- 4 x F 0,3A or - 4 x F 0,5A or - 4 x F 1,0A

- adapter CABLE – DC 5,5/2,1 PLUG (ML109)



2. Installation.

2.1 Requirements.

The adapter shall be mounted by the qualified installer having appropriate (required and necessary for a given country) permissions and qualifications for connecting (operating) low-voltage installations. The unit shall be mounted in closed rooms, according to the environment class II, of the normal air humidity (RH=90% max. without condensation) and the temperature within the range from 0°C to +40°C.

The adapter shall be mounted in a close casing (a cubicle, a terminal device) and in order to fulfill LVD and EMC requirements the rules for power-supply, encasing and shielding shall be observed according to application.

2.2 Installation procedure.

1. Connect the DC output to the load/loads.
2. Connect the power supply unit to the AC line. The power supply has to be installed in such way to keep the air flow around the supply unit.
3. After tests and operation control are performed, the casing (cubicle) shall be closed etc.

3. Maintenance.

The adapter does not require any specific maintenance procedures, however, in the case of significant level of dust, it should be cleaned with the compressed air.



WEEE designation

The waste electric and electronic equipment worn out may not be disposed of together with standard household waste. According to the WEEE directive, applicable in the EU, the separate neutralization methods should be used for electric and electronic equipment.

THE GENERAL WARRANTY CONDITIONS

1. Pulsar K. Bogusz, Particular Partnership (the manufacturer) provides a one-year quality warranty for devices, as from the purchase date placed on a purchase proof.
2. The warranty includes free repair or replace for a functional equivalent (the selection is performed by the manufacturer) of a non-operational device due to reasons dependent on the manufacturer, including production and material defects, as far as defects are notified within the warranty period (item 1 and 2).
3. The equipment subject to warranty shall be provided to the point, where it has been purchased or directly to the place of business.
4. The complete devices are subject to warranty, and the sort of defect shall be described in written in a correctly fulfilled claim notification.
5. If a claim is accepted, the manufacturer is obliged to perform warranty repairs as soon as possible, but no later than 14 working days since the device is provided to the service of the manufacturer.
6. The repair period specified in item 5 can be extended, if there are no technical opportunities to perform the repair or the equipment is conditionally accepted by the service due to non-compliance of the warranty conditions by the person lodging a claim.
7. All service actions related to warranty are performed exclusively at the service of the manufacturer.
8. The warranty does not include the following defects of the device due to:
 - manufacturer-independent reasons,
 - mechanical defects,
 - improper storage and transport,
 - operation contrary to the instruction manual or purpose of the device,
 - emergencies, including atmospheric discharges, failures of the power network, fire, flood, effect of high temperature and chemical agents,
 - improper installation and configuration (contrary to the instruction manual)
9. The loss of rights resulting from the warranty always occurs, if it is confirmed that construction changes have been performed or repairs have not been performed at the service of the manufacturer, or if serial numbers or warranty labels of the device are somehow replaced or damaged.
10. The responsibility of the manufacturer towards the purchaser is limited to the value of the device determined according to the wholesale price from the purchase day suggested by the manufacturer.
11. The manufacturer does not bear any responsibility for damages resulting from failure, faulty operation or inability to use the device, particularly if it results from non-compliance with advices and requirements included in the instruction manual or contrary to purpose of the device.

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