



Rätt Kraftförsörjning

Noise Protection Transformer type RDS



Protection for computers and sensitive electronics.

75VA-2300VA

Electricity quality:

The quality of the electricity has decreased during the last years. The trend indicates that the quality of the electricity will gradually decrease furthermore. The most common type of noise today is transients. Voltage variations were earlier something that affected the electronics.

Modern electronics and computers of today is better equipped to handle voltage variations, but have become more sensitive to the short and high transients that the

electricity network contains.

Noise in the electricity is usually generated when electrical equipment is switched on and off, from semiconductors in power regulation circuits, welding equipment, electrical engines, air conditioning equipment and stroke of lightning. These noise contributors generates both asymmetric and symmetric noise. Mains noise causes, on daily basis, error in the computer's programme, operation failure and loss of information with corresponding errors later on.

Solution:

Rätt Kraftförsörjning has developed the Noise Protection Transformer, which efficiently takes care of bad electricity networks and reduces all types of transients. The Noise Protection transformer replaces both magnetic stabilisers and filter as protection for computers and other sensitive electronics.

Benefits for the user:

- | | |
|-----------------------------------|-----------------------------------|
| + Very high transient reduction | → 20 million times |
| + High efficiency | → 96-98% |
| + Low sound level | → no audible sound level |
| + Tolerates high starting current | → up to 25 times the mark current |
| + Simple installation | → plug and double sockets |

Manufacturer. Rätt Kraftförsörjning RKA AB.

Product programme

E-no.	Art-no.	Type	Power	Dimensions mm			Weight kg	Fuse	Con- nection
				L	W	H			
E52 767 01	69-695-05	RDS 75	75VA	220	165	136	6	10A	s/u
E52 767 03	69-695-13	RDS 125	125VA	220	165	136	7	10A	s/u
E52 767 05	69-695-21	RDS 250	250VA	310	165	136	10	10A	s/u
E52 767 07	69-695-39	RDS 500	500VA	310	165	136	13	10A	s/u
E52 767 10	69-697-03	RDS 1000	1000VA	440	270	180	22	10A	s/u/f
E52 767 15	69-697-29	RDS 1500	1500VA	440	270	180	29	10A	s/u/f
		RDS 2000	2000VA	440	270	180	35	10A	s/u/f
E52 767 18	69-697-45	RDS 2300	2300VA	440	270	180	36	10A	s/u/f

s/u = plug / double socket

s/u/f = plug / double socket / permanent connection

The Noise Protection Transformer is also available in 3-phase from 10 kVA to 100 kVA.

Technical specification

Power	75 - 2300 VA
Input voltage	230 V +10%
Output voltage	230 V +10%
Asymmetric reduction	type 146 dB
Symmetric reduction	80 dB for 100 kHz
Connection capacity	<0.0005 pF
Efficiency	96-98%
Idling loss	16 W for RDS 1000
Self distortion	negligible
Short circuit current	25 times
Electromagnetic radiation	10 ⁻⁵ Tesla at 0.5m
Isolation test voltage	4000V RMS
Voltage regulation	none
Reserve energy	none
Frequency dependence	none
Influence of non-linear load	none
Surrounding temperature	-25°C to +40°C
Cabinet	IP22

CE-marked

Application areas:

Computer installations
Surveillance systems
Cash registers
Electronic scales
Measuring equipments

We reserve us right to change technical data without prior notice.

Rätt Kraftförsörjning RKA AB
Centrum 1
SE-741 40 Knivsta, Sweden
Tele. (+46)18 34 93 00, Fax. (+46) 18 34 95 95

10610B