

32 22427H00

Single-phase rectifier units
for 24 V DC protective low voltage

These single-phase rectifier units consist of a safety transformer with shield winding and of a rectifier in bridged circuit. They are designed to convert AC mains voltage into 24 V DC protective low voltage. The secondary voltage is ungrounded and potential-free.

These single-phase rectifier units offer the following major benefits:

- **extensive shielding and protective circuits** to ensure safe operation even when using sensitive consumers,
- **compact design** to fit into confined spaces,
- **easily accessible profiled mounting fixtures** for ease of mounting even between adjacent cable ducts and assemblies,
- enclosure with **integral 35 mm mounting rail** for optional use,
- **easily accessible screw terminals** for easy wiring,
- green LED for **visual indication of output voltage**.

CE

These units meet the requirements of the Low Voltage Directive 73/23/EEC.

Compliance with the following standards is confirmed:
EN 60 742, 1989 (DIN VDE 0551, part 1, 09/1989).

Subject to design modifications without prior notice.

Please note ordering data !

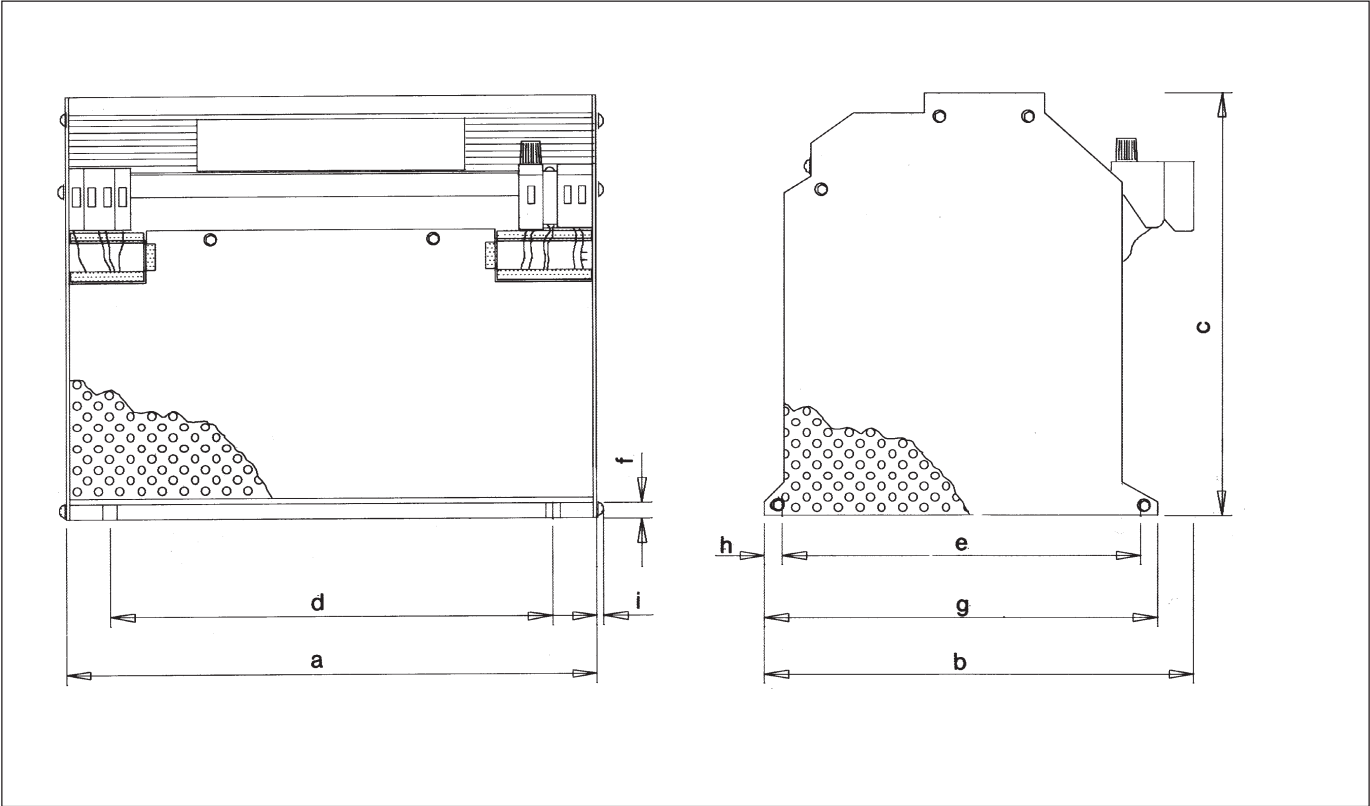
General technical data

Design:	DC supply safety transformer in accordance with VDE 0551, EN 60 742 and IEC 742
Test voltage:	between input and output current circuits 400 V; 50 Hz
Construction:	encapsulated for fitting into switch cabinets
Protection type:	IP 20
Protection class:	I
Ambient temperature:	-20°C – 60°C
Cooling:	self-cooling
Insulation class of insulation system:	E
Standard rated voltage:	230 V / 400 V
Frequency:	50 Hz up to 60 Hz
Input voltage range:	+6% up to –10% in accordance with DIN IEC 38 (operation without thermal overload possible up to +10%)
Residual ripple:	48%

Technical data

Size	DC output voltage V	DC output current A	Power output W	Power input VA	Input voltage V	Rated input current A	Fuse A
27	24	2.5	60	93	230/400	0.4 /0.23	G 2.5 AT
32	24	7.5	180	270	230/400	1.04/0.6	G 8 AT

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Dimensions (mm)



Type	Output current A	a	b	c	d	e	f	g	h	i	Fixing screws	Weight kg
32 22427G00	2.5	134	127	137	95	113	6.5	127	7	3	M 6	3.2
32 22432G00	7.5	169	154	156	130	140	6.5	154	7	3	M 6	5.8

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Order example Single-phase rectifier unit
 32 224 . . H00
 Size according to table
 Special versions with different voltages available on request