



**One-way rectifier, with integrated surge protection
switchable on the DC side**

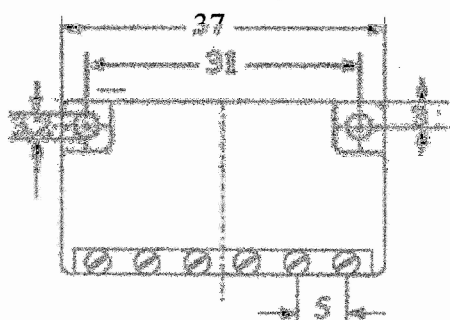


The one-way rectifier was specially developed for inductive loads that are to be switched on the AC or DC side. Thanks to its internal protective circuit, the two rectifier diodes are effectively protected both against mains-operated voltage peaks and against switch-off peaks of inductors on the DC voltage side.

A varistor connected in parallel to the load ensures that switch-off peaks / the freewheeling current from switched-off inductors can only flow up to the response value of the varistor, which ensures an almost instantaneous response (as is required, for example, with electromagnetic brakes on electric motors). When switching on the AC side, terminals 5 6 must be bridged.

Technical specifications:

Typ	GE400AC1000S GE500AC1000S	GE400AC2000S GE500AC2000S	GE400AC3000S GE500AC3000S
Rated current I_N	1 A	2 A	3 A
Nominal connection voltage	0 ... 400 V oder 0 ... 550 V		
Periodic peak reverse voltage	1600 V	2000 V	2000 V
Surge current (not periodic)	30 A		
Ambient temperature	-25 ... +80 °C		
Nominal output voltage = nominal input voltage $V_{RMS} \times 0,445$			



Gehäusefarbe: grau

