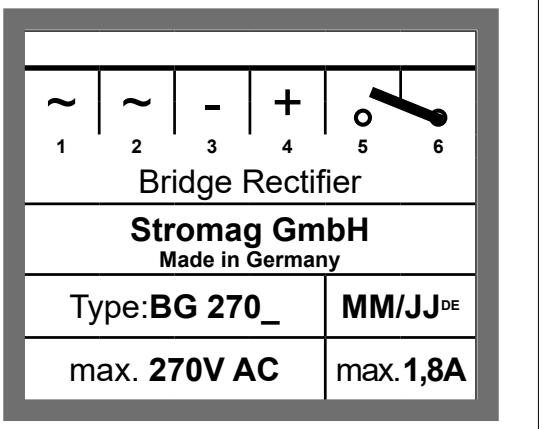
PRODUCT
INFO SHEET

BRIDGE RECTIFIER

CLUTCHES AND BRAKES



APPLICATION

Rectifier are used to connect DC consumer units on alternating voltage, e.g. electro-magnetic brakes and clutches

FUNCTION

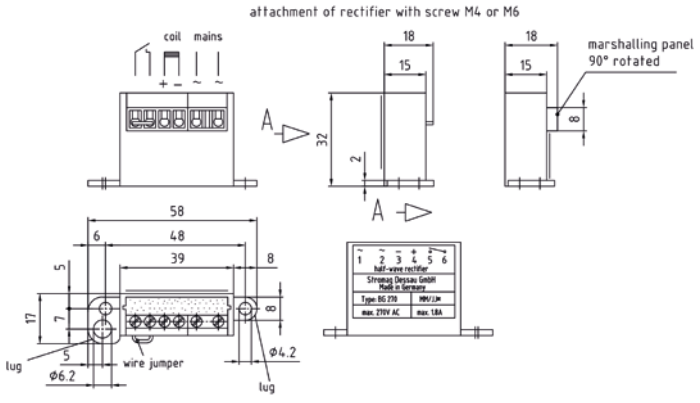
Input AC-voltage will be rectified
voltage peaks will be reduced

ELECTRIC CONNECTION (TERMINAL)

1 & 2	input voltage
3 & 4	coil
5 & 6	external switch for DC side switching

TECHNICAL DATA				
Calculation coil voltage	0,9xV AC = V DC			
Article-No.	431-00000	431-00008	431-00014	431-00023
Type	BG 270-1	BG 270-5	BG 270-4	BG 270-1
Features	with lug	with lug	terminal block 90° rotated	without lug
Language	German	English	English	German
max. input voltage	270 V AC			
max. output voltage	243 V DC			
max. output current	1,8 A			
Peak reverse voltage	1600 V			
Protection	parts encapsulated IP65; contacts IP20			
Contacts	0,25 up to 2,5mm²			
Fixing hole	with		without	
Ambient temperature	-30°C ... +50°C			
Storage temperature	+10°C ... +30°C			
Housing color	grey			
Diodes	-65°C up to +175°C			
Varistor	-40°C up to +85°C			

Rectifier fixing by cylindric screws M4 or M6 possible



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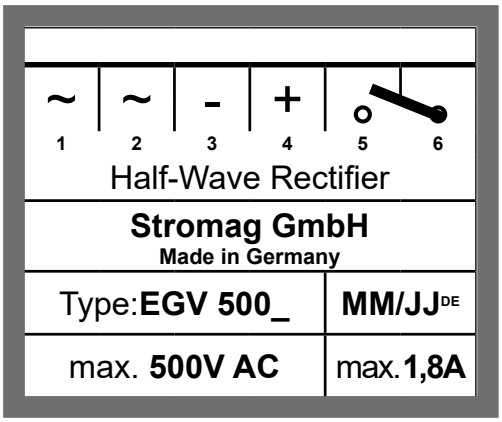
PRODUCT
INFO SHEET

HALF-WAVE RECTIFIER

CLUTCHES AND BRAKES



APPLICATION

Rectifier are used to connect DC consumer units on alternating voltage, e.g. electromagnetic brakes and clutches

FUNCTION

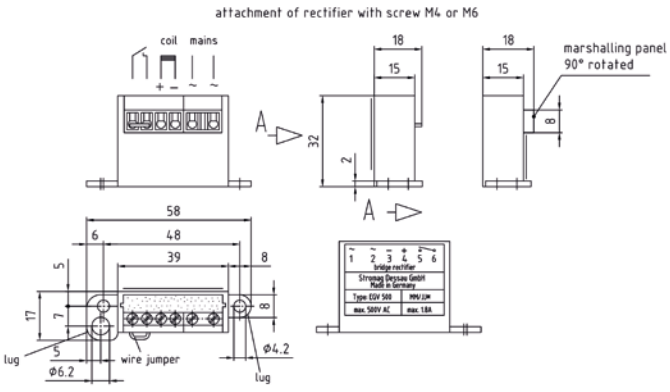
Input AC-voltage will be rectified
voltage peaks will be reduced

ELECTRIC CONNECTION (TERMINAL)

1 & 2	input voltage
3 & 4	coil
5 & 6	external switch for DC side switching

TECHNICAL DATA				
Calculation coil voltage	0,45xV AC = V DC			
Article-No.	431-00001	431-00006	431-00012	431-00024
Type	EGV 500-1	EGV 500-5	EGV 500-4	EGV 500-1
Features	with lug	with lug	terminal block 90° rotated	without lug
Language	German	English	English	German
max. input voltage	500 V AC			
max. output voltage	225 V DC			
max. output current	1,8 A			
Peak reverse voltage	1300 V			
Protection	parts encapsulated IP65; contacts IP20			
Contacts	0,25 up to 2,5mm²			
Fixing hole	With		Without	
Ambient temperature	-30°C ... +50°C			
Storage temperature	+10°C ... +30°C			
Housing color	black			
Diodes	-65°C bis +175°C			
Varistor	-40°C bis +85°C			

Rectifier fixing by cylindric screws M4 or M6 possible



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