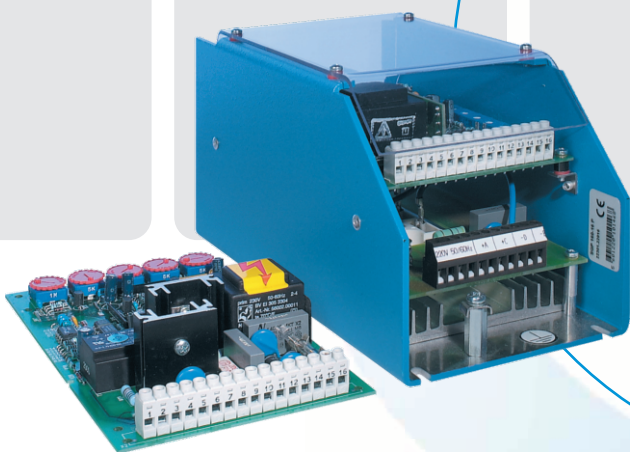
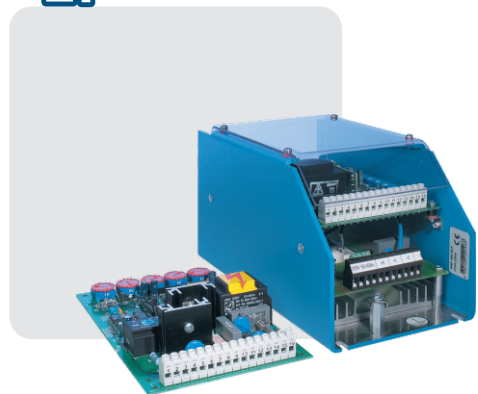
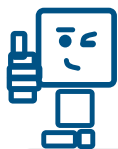


Product Group
DC Thyristor Controllers



Quality is our Drive.



Thyristor Controllers

SGP 160-2,5 ... 16



- for motors with external and permanent excitation
- one-quadrant operation
- control range with armature voltage control 1:30
- control range with tachometer control 1:100
- degree of protection IP 00

Functions:

- half-controlled symmetrical bridge circuit with excitation voltage source
- adjustable current controller and thus very suitable for permanently excited motors

Options:

- with isolating module (P)
- pluggable with pin connector DIN 41617 (ST)
- pluggable with isolating module (ST/P)

Technical data		SGP 160-2,5	SGP 160-4	SGP 160-8P	SGP 160-16P
operating voltage acc. to DIN EN 50160 (IEC 38)		230V + 15% 50/60Hz			
eff. armature current		SGP 160-2,5	SGP 160-4	SGP 160-8P	SGP 160-16P
max. motor shaft power		SGP 160-2,5	SGP 160-4	SGP 160-8P	SGP 160-16P
armature voltage		0 ... 180VDC			
excitation voltage / current		200VDC / 0,5A		200VDC / 1A	
control characteristics	with I x R compensation	1 : 30 / 3%			
	with tachometer control	1 : 100 / 1%			
setpoint input		0 - 10VDC			
actual value input		5 - 10kΩ potentiometer			
connection		16-pole terminal strip, 1,5mm ²		Control unit: 6-pole terminal strip, 1,5mm ² Power unit: 6-pole terminal strip, 1,5mm ²	
ambient / storage temperature		0 ... 45°C not subject to moisture condensation / -25°C ... 75°C			
cooling		convection			
temperature-dependent power reduction		2% / °C above 45°C...max. 55°C			
weight / kg		0,25	0,3	1,1	1,3

