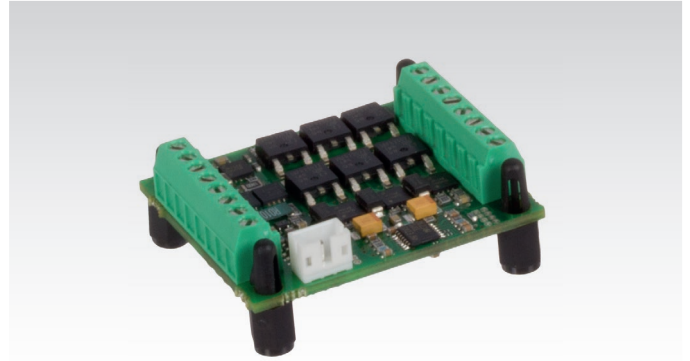
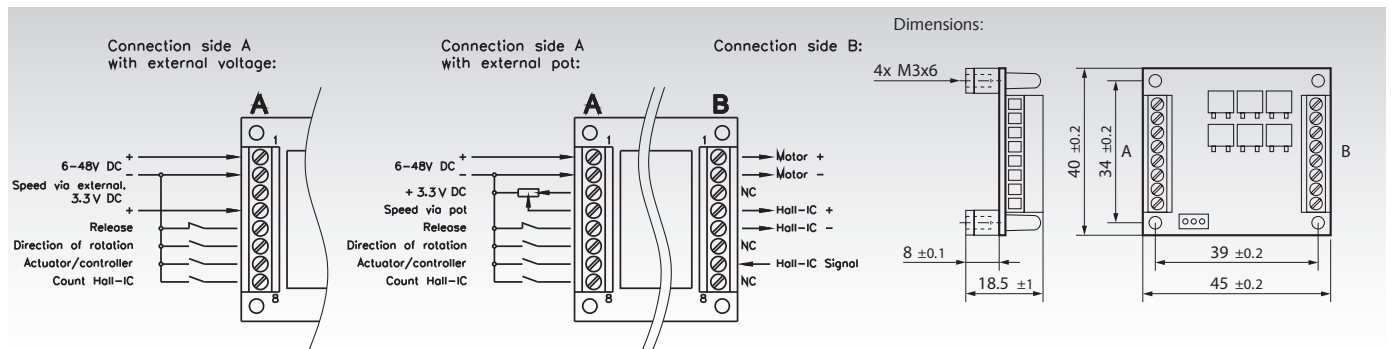


Motor controller SFRG 05 for DC-drives

- Intelligent motor controller with PWM output for speed setting or controlling of brushed DC motors.
- Supply voltage: 6 - 48 V DC.
- Motor current: 2,5 A continuous load (5 A peak current).
- Speed setting device or PI-controller operation.
- 4 logical inputs.
- CANopen.
- Setpoint setting possible via external pot (not included) or external voltage.
- Compact Version thanks to SMD technology.



Ordering Details: Product No. 430 460 05, Control Unit SFRG 05



Product No. 430 460 05, Control Unit SFRG 05

Electrical data

Supply voltage:	6 V ... 48 V DC.
Motor nominal current:	2.5 A continuous load (peak current max. 5 A).
Speed selection:	0 V ... 3.3 V DC via 10 kOhm or external voltage.
Logical Inputs:	0 V ... 3.3 V, max. 50 mA.
Output switching frequency:	approx. 20 kHz.
No load current:	at 6 V ... 48 V DC, 70 mA...20 mA.

General data

Protection class:	3.
Protection rating:	open module IP00 as per IEC529 / EN 60529 / DIN VDE 0470 T1.
Isolation:	Low voltage operation.
Shock protection:	not needed.
Level of contamination:	2.
Permissible ambient operating temperature:	-20 to +80°C.
Weight	25 g.
The circuit board is designed for installing in a closed control cabinet or similar housing made from metal with protection class IP 4x. Adequate ventilation is to be provided (free convection). The wiring has to be carried out as per EMC requirements.	