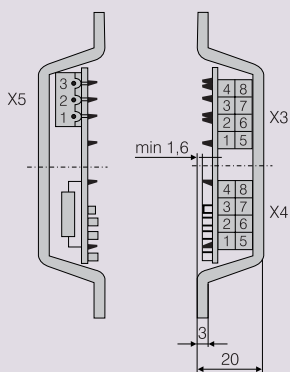


Structure and performance features

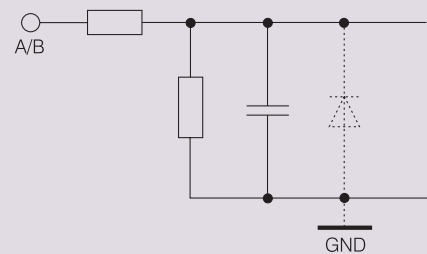
- 4-quadrant controller. Set value alterations can be adjusted both by acceleration and braking.
- Speed setting via set value input (interface 0...10 V DC).
- Motor commutation and speed control are processor-controlled.
- Control parameters configured for optimum adaptation to the motor and / or application.
- Setting of operating modes via 2 control inputs.
- ACTUAL speed value and output.
- Limiting for output current and voltage.
- Voltage supply with input filter, filtering and auxiliary voltage generation.

Pin connection



1. Control inputs

A	B	
0	0	Power stage disabled
0	1	Direction of rotation – Counterclockwise
1	0	Direction of rotation – Clockwise
1	1	Brake function*
low (0)		0 ... 0,8 V
high (1)		2,4 ... 30 V



* Brake function: The braking function serves to slow down the motor only. It has no holding brake function for the static duty.

Control Plug X3

Pin 1	A	Operating mode
Pin 2	+Ub	Supply voltage
Pin 3	n.c.C.	Not occupied
Pin 4	S+	Set value
Pin 5	B	Operating mode
Pin 6	ACTUAL	ACTUAL speed value
Pin 7	GND	Ground
Pin 8	S-	Ground set value

2. ACTUAL speed value output

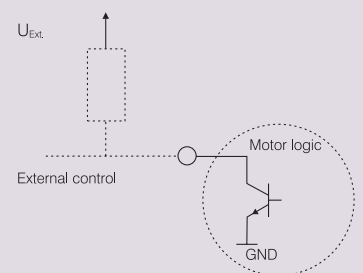
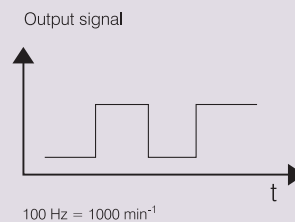
Version:

Open Collector

$U_{ext, max} = 30 V$

$U_{CESAT} = 0.5 V$

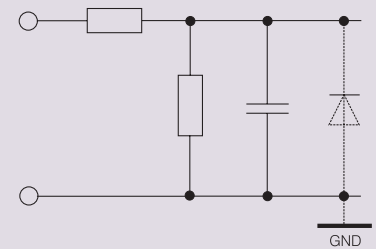
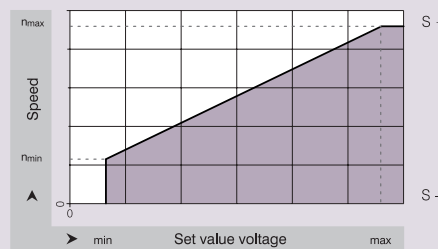
$I_{Cmax} = 5mA$



Motor Plug X4

Pin 1	L3	Motor phase 3
Pin 2	+U-Hall	Supply – Hall sensors
Pin 3	RLG2	Hall signal 2
Pin 4	RLG1	Hall signal 1
Pin 5	L2	Motor phase 2
Pin 6	L1	Motor phase 1
Pin 7	GND-Hal	Ground Hall sensors
Pin 8	RLG3	Hall signal 3

3. Set value input



Speed setting for speed control via set value voltage (Interface 0 ... 10 V DC).

For detailed information, please refer to the corresponding specification data sheets. The instructions and safety notes in the operating manual must be kept at all times.