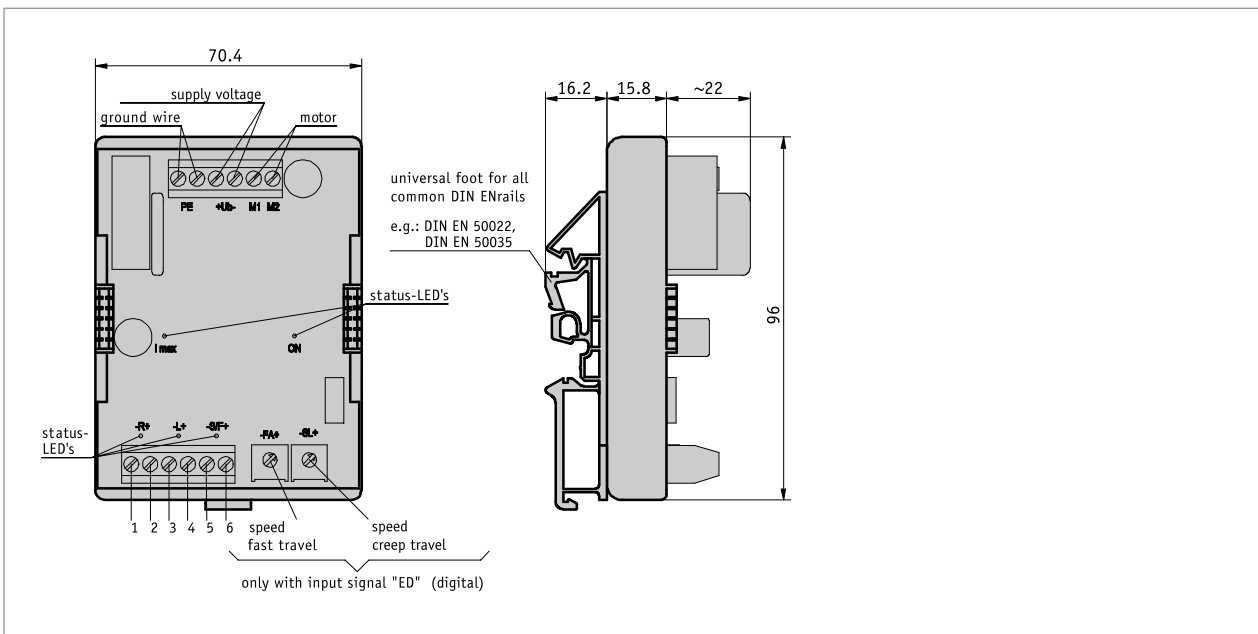
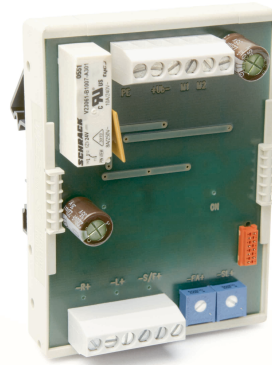


### Profile

- Easy mounting (top-hat rail)
- Variable control variants
- Use with different positioning controls
- Fast or creep motion continuously variable
- Pulse width modulation (PWM) for 24 V DC actuators



### Electrical data

Feature	Technical data	Additional information
Operating voltage	24 V DC $\pm 20\%$ , controlled	with LED indicator, reverse polarity protected
Motor current	3/5/6 A, ( $\leq 12$ A peak)	overcurrent protection with multifuse
Inputs	digital with LED indicator / analog	
Analog inputs	0 ... 10 V -10 ... 10 V	impedance $> 1.3$ M $\Omega$ impedance $> 1.3$ M $\Omega$
Digital inputs	15 V ... 30 mA, typical 10 mA	
Status display	overcurrent protection, input state, operating voltage	
PWM (Pulse width modulation) output	$\sim 16$ kHz, continuously variable, 0 ... 100 %	soft start

### Ambient conditions

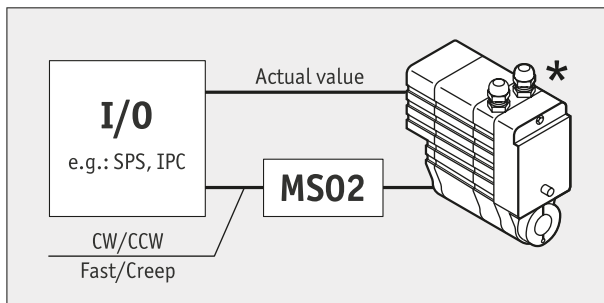
Feature	Technical data	Additional information
Ambient temperature	0 ... 50 °C	
Relative humidity	$\leq 95\%$	condensation inadmissible

### pin assignment

#### Terminal board

digital	analog unipolar	Analog bipolar	PIN
Clockwise rotation ground	Enable ground	Enable ground	1
Clockwise rotation plus	"enable plus"	"enable plus"	2
Counter-clockwise rotation ground	cw/ccw ground	nc	3
Counter-clockwise rotation plus	cw/ccw plus	nc	4
Fast/creep ground	analog ground	analog ground	5
Fast/creep plus	analog 0 ... +10 V	analog 0 ... +10 V	6

### Functional diagram



\* Possibility of use with AG01, AG02

### Order

#### Ordering table

Feature	Ordering data	Spezifikation	Additional information
load current	A 3A	3 A	others on request, max. 12 A
	5A	5 A	
	6A	6 A	
input signal	B ED	digital	
	EUP	analog unipolar	0 ... +10 V, impedance >1.3 MΩ
	EBP	analog bipolar	-10 ... +10 V, Impedanz >1.3 MΩ

#### Order key

MS02 -  -   
A B

 **Scope of delivery:**  
MS02, Installation Instructions