

Brake chopper mcER-L42

Article number: 1514167



Picture similar

Technical data

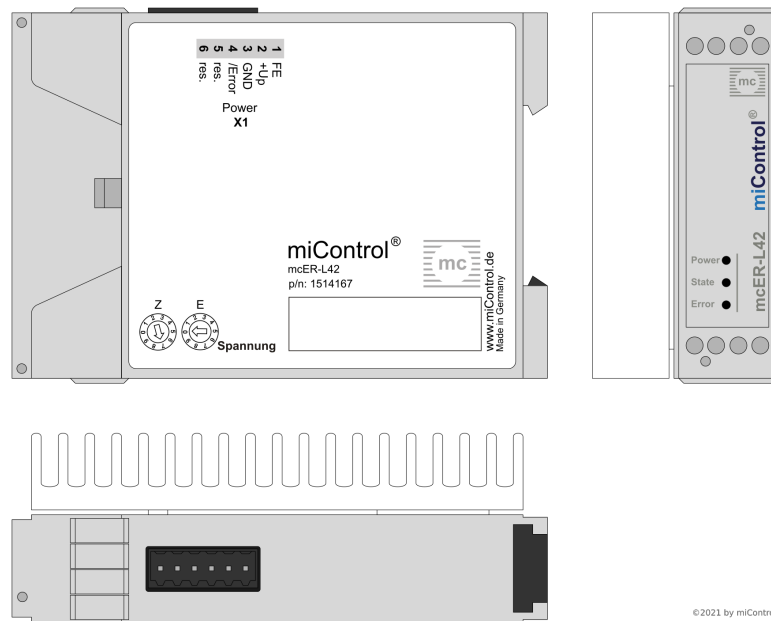
Absolute maximum rating	
Voltage (destruction limit) Up no polarity reversal protection	80 V
Power	
Electronic current consumption	typ. 10 mA
Power supply voltage Up	9..60 V
Braking peak current @ UBr=60V	24 A
On-Time @24V	approx. 40 s
On-Time @48V	approx. 2 s
Braking resistor	
Adjustable braking voltage Ubr	18..60 V
Switch-on threshold*1	Ubr +/- 4% 1.7 V
Switch-off threshold*1	Ubr +/- 4% 0.7 V
Braking resistor	2.5 Ohm (integrated)
Maximum duty cycle	100 %
Integrated electrolytic capacitors	400 uF
Mechanical	
Size LxWxH	110 x 40 x 77 mm
Weight	380 g
Environment	
Protection class	IP20
Ambient temperature (operation)	-25..70 °C
Ambient temperature (storage)	-25..85 °C
Rel. humidity (non-condensing)	5..90 %
Error recognition	
Short circuit braking resistor	yes
Braking resistor is missing / defective	yes
Overtemperature electronic	yes
Overtemperature braking resistor	yes

*1 Ubr = adjusted working voltage

Additional technical data are available in mcManual.

Digital output	
Number	1 (/Error)
Continuous output current	typ. 10 mA
Load	resistive
Output voltage	Up (24V max.)
Signal type	positive switching

Scheme



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Terminal assignment

X1	Supply	
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	/Error	Error output
5	res.	Reserved
6	res.	Reserved