

Brake chopper

mcER-L60-30

Article number: 1515417

 Certification:  *1
E475093


Picture similar

Technical data

Power	
Electronic supply voltage U_p^{*2}	18..60 V
Electronic current consumption	typ. 10 mA
Max. braking peak current (certified UL)*3	60 A @ 60 V
Max. braking continuous current (certified UL)*3	5 A
On-Time / Off-Time (certified UL)*3	approx. 1 s / 90 s @ 60 A
Braking resistor	
Braking voltage U_{Br}	30 V
Braking resistor	min. 1 Ohm (external)
Maximum duty cycle	100 %
Integrated electrolytic capacitors	100 uF
Mechanical	
Size LxWxH	74 x 45 x 24 mm
Weight	30 g
Environment	
Protection class	IP20
Ambient temperature (operation) (certified UL)	-40..55 °C
Ambient temperature (operation) (not certified)	-40..70 °C
Ambient temperature (storage)	-40..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	no
Digital output	
Number	1 (/Error)
Continuous output current	typ. 10 mA
Load	resistive
Output voltage	U_p (24V max.)
Signal type	positive switching

*1 The certified performance data must be observed (see UL Instruction Note)

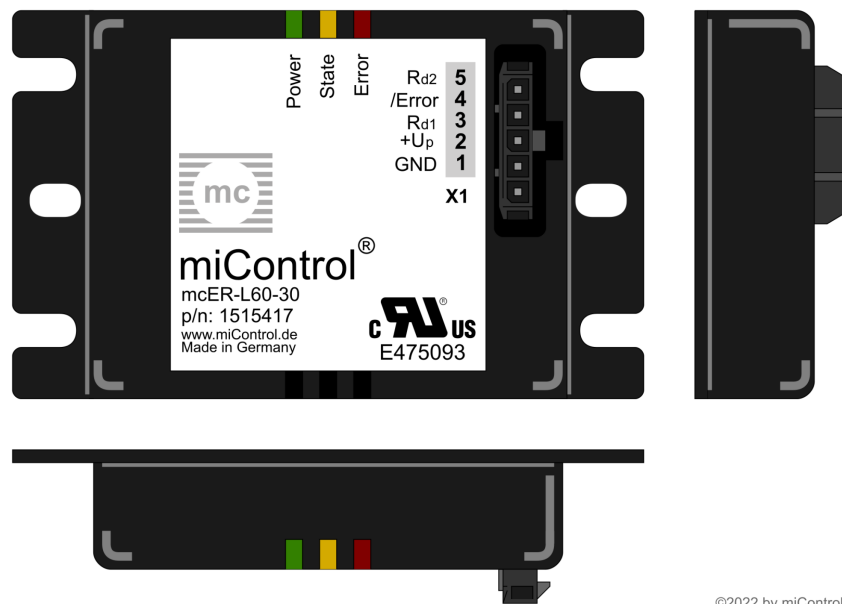
*2 No reverse polarity protection, the destruction limit is at overvoltage of $\geq 100V$

*3 ambient temperature 55 °C

Additional technical data are available in mcManual.



Scheme



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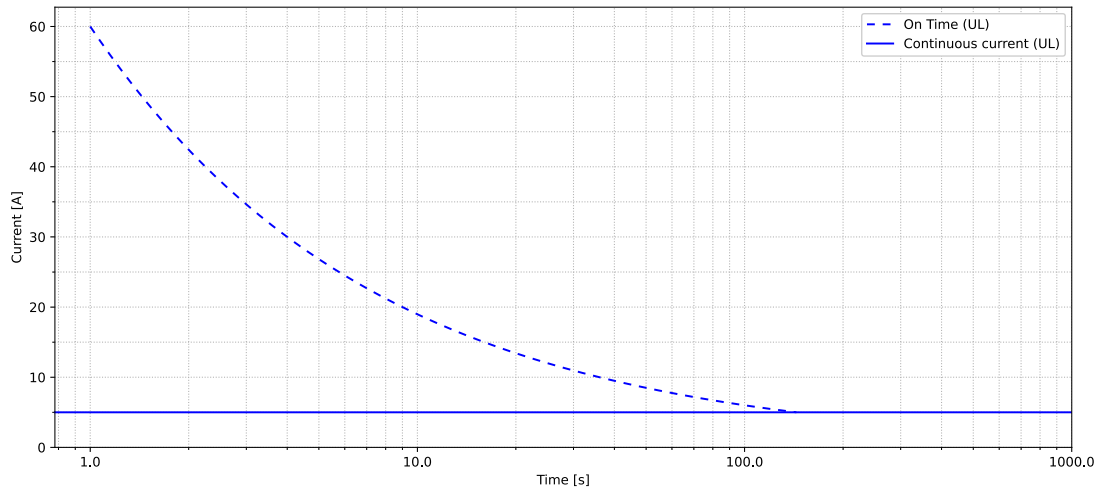
Terminal assignment

X1	Supply	
1	GND	Ground for power supply voltage
2	+Up	Power supply voltage
3	Rd1	Braking resistor
4	/Error	Error output
5	Rd2	Braking resistor

Diagrams

miControl®

mcER-L60-30



ambient temperature 55°C
power supply voltage Up 60V
continuous current 5A

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