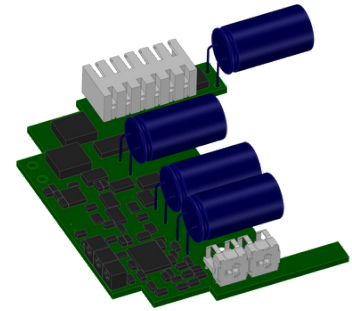


# Brake chopper

## mcER-L40-Lp

Article number: 1512057



Picture similar

### Technical data

Absolute maximum rating	
Voltage (destruction limit) $U_p$ no polarity reversal protection	80 V
Power	
Electronic supply voltage $U_p$	18..60 V
Electronic current consumption	typ. 10 mA
Max. braking peak current @ $U_{br}=60V$ *1	55 A
Max. braking continuous current @ $T_a=40^\circ C$ *1	10 A
Braking resistor	
Adjustable braking voltage $U_{br}$	18..60 V
Switch-on threshold*2	$U_{br} \pm 4\% 1.7 V$
Switch-off threshold*2	$U_{br} \pm 4\% 0.7 V$
Braking resistor @ $U_{br}=60V$	min. 1 Ohm (external)
Maximum duty cycle	100 %
Integrated electrolytic capacitors	400 uF
Mechanical	
Size LxWxH	73 x 71 x 16 mm
Weight	27 g
Environment	
Protection class	IP00
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	no

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

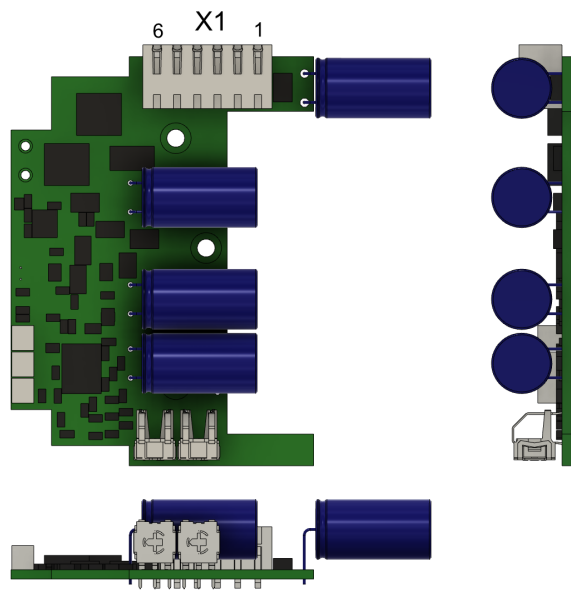
\*1 permitted current depends on the used braking resistor (maximum value refers to the smallest possible resistance - 1 Ohm)

\*2  $U_{br}$  = adjusted working voltage

Additional technical data are available in mcManual.



## Scheme



## 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	Rd1	Braking resistor
6	Rd2	Braking resistor