

Servo amplifier

mcDSA-S60-RS232

Article number: 1504915

Technical data

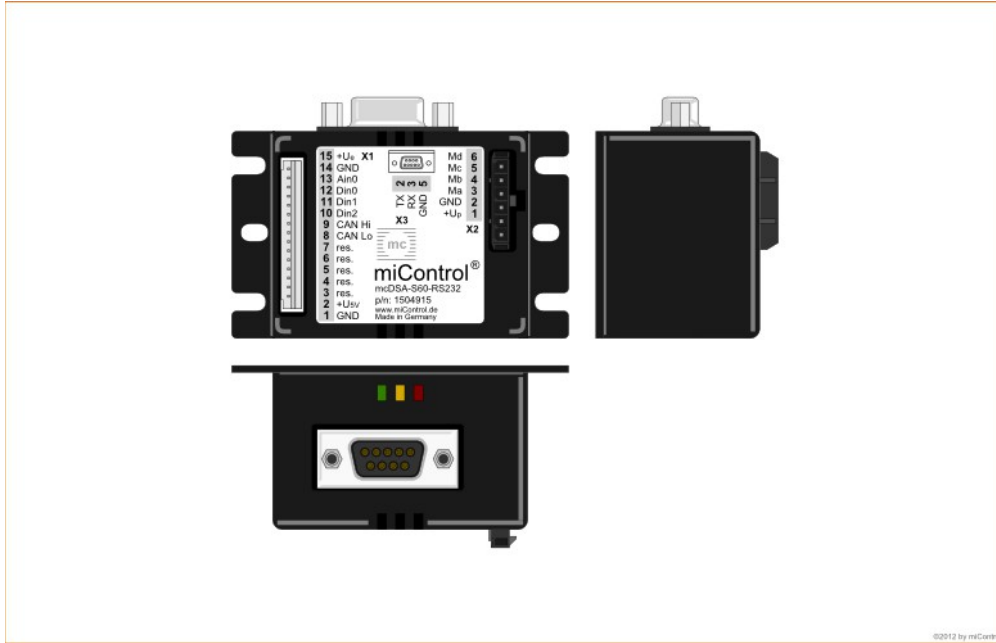
Power	
Electronic supply voltage Ue	9..30 V
Electronic current consumption @ Ue=24V (Bus not connected)	typ. 35 mA
Power supply voltage Up	9..60 V
Max. output current	10 A
Output voltage	85% Up
PWM frequency	25, 32, 50* kHz
Min. load inductance	200 uH
Mechanical	
Size LxWxH	74 x 45.5 x 36 mm
Weight	65 g
Environment	
Protection class	IP20
Operating temperature	0..70 °C
Rel. humidity (non-condensing)	5..85 %
Digital inputs	
Number	3 (Din0..2)
Low voltage	-30..5 V
High voltage	6..30 V
Analog inputs	
Number	1 (Ain0)
Signal type	0..10 V, 12 Bit, single ended
CAN bus	
Protocol	DS301
Device profile	DS402
Max. baudrate	1 Mbit/s
CAN specification	2.0B
Galvanically isolated	no
RS232	
Type	Data Communication Equipment (DCE)
Physical layer	RS232
Baudrate	9600 bit/s

* default value

Additional technical data are available in mcManual.



Scheme



Terminal assignment

X1 I/O's and CAN		
1	GND	Ground for 5V auxiliary voltage
2	+U5V	5V auxiliary voltage
3	res.	Reserved
4	res.	Reserved
5	res.	Reserved
6	res.	Reserved
7	res.	Reserved
8	CAN Lo	CAN Low
9	CAN Hi	CAN High
10	Din2	Digital input 2
11	Din1	Digital input 1
12	Din0	Digital input 0
13	Ain0	Analog input 0
14	GND	Ground for electronic supply voltage
15	+Ue	Electronic supply voltage
X2 Motor		
1	+Up	Power supply voltage
2	GND	Ground for power supply voltage
3	Ma	Motor phase A
4	Mb	Motor phase B
5	Mc	Motor phase C
6	Md	Motor phase D
X3 RS232		
1	res.	Reserved
2	TX	Transmit Signal
3	RX	Receive Signal
4	res.	Reserved
5	GND	Ground
6	res.	Reserved
7	res.	Reserved
8	res.	Reserved
9	res.	Reserved