

NEW**USB****EPOS2 24/5**

Matched with DC brush motors with encoder or brushless EC motors with Hall sensors and encoder, from 5 to 120 watts.

**USB****EPOS2 50/5**

Matched with DC brush motors with encoder or brushless EC motors with Hall sensors and encoder, from 5 to 250 watts.

**EPOS2 70/10**

Matched with DC brush motors with encoder or brushless EC motors with Hall sensors or encoder, from 80 to 700 watts.

Controller versions

Slave version	Slave version	Slave version
Electrical Data		
11 - 24 VDC	11 - 50 VDC	11 - 70 VDC
11 - 24 VDC	11 - 50 VDC	11 - 70 VDC
$0.9 \times V_{CC}$	$0.9 \times V_{CC}$	$0.9 \times V_{CC}$
10 A	10 A	25 A
5 A	5 A	10 A
10 kHz	10 kHz	10 kHz
1 kHz	1 kHz	1 kHz
1 kHz	1 kHz	1 kHz
25 000 rpm (sinusoidal); 100 000 rpm (block)	25 000 rpm (sinusoidal); 100 000 rpm (block)	25 000 rpm
15 μ H / 5 A	22 μ H / 5 A	25 μ H / 10 A
H1, H2, H3	H1, H2, H3	H1, H2, H3
A, A', B, B', I, I' (max. 5 MHz)	A, A', B, B', I, I' (max. 5 MHz)	A, A', B, B', I, I' (max. 1 MHz)
6 digital inputs	12 digital inputs	8 digital inputs
2 analogue inputs	2 analogue inputs (differential)	2 analogue inputs
12-bit resolution, 0 ... +5 V	12-bit resolution, ± 10 V	10-bit resolution, 0 ... +5 V
configurable with DIP switch 1 ... 7	configurable with DIP switch 1 ... 7	configurable with DIP switch 1 ... 7
4 digital outputs	5 digital outputs; 1 analogue 12-bit 0 ... 10 V	4 digital outputs
+5 VDC, max. 100 mA	+5 VDC, max. 100 mA	+5 VDC, max. 100 mA
+5 VDC, max. 30 mA	+5 VDC, max. 30 mA	+5 VDC, max. 30 mA
V_{CC} , max. 1300 mA	+5 VDC, max. 150 mA	+5 VDC ($R_i = 1$ k Ω)
RxD; TxD (max. 115 200 bit/s)	RxD; TxD (max. 115 200 bit/s)	RxD; TxD (max. 115 200 bit/s)
high; low (max. 1 Mbit/s)	high; low (max. 1 Mbit/s)	high; low (max. 1 Mbit/s)
Data+; Data- (max. 12 Mbit/s)	Data+; Data- (max. 12 Mbit/s)	
green LED, red LED	green LED, red LED	Bi-colour LED (green/red)
Ambient temperature / Humidity range		
-10 ... +45°C	-10 ... +45°C	-10 ... +45°C
-40 ... +85°C	-40 ... +85°C	-40 ... +85°C
20 ... 80 %	20 ... 80 %	20 ... 80 %
Mechanical data		
Approx. 170 g	Approx. 240 g	Approx. 330 g
105 x 83 x 24 mm	120 x 93.5 x 27 mm	150 x 93 x 27 mm
Flange for M3-screws	Flange for M3-screws	Flange for M3-screws
Order Number		
367676 EPOS2 24/5	347717 EPOS2 50/5	300583 EPOS 70/10

Accessories**309687** DSR 50/5 Shunt regulator

Order accessories separately, see page 308

309687 DSR 50/5 Shunt regulator

Order accessories separately, see page 308

235811 DSR 70/30 Shunt regulator

Order accessories separately, see page 308