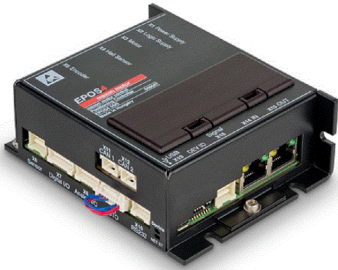


Brushless technology Controller EPOS4 50/5



The advantages :

Digital positioning motion controller for motors up to 250 W - Operating cycle management (I/O, RS232 or CANopen) - Auto-tuning of regulation settings - Cable kit required!

Associated products :

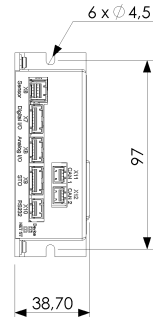
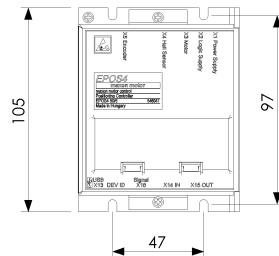
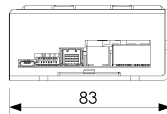
- > **Connector**
- EPOS CABLE CODEUR
- EPOS CABLE
- EPOS CABLE MOTEUR
- ESCON cable USB
- > **Power supply**
- DRP-240-24
- SP-320-24

maxon motor

4 Quadrant(s) - 250 W

Max. power output	250 W
Power supply voltage	10 à 50 V
Peak output current	15 A
Max permanent output	5 A
Maximum motor speed	50 000 tr/min (Sinusoidale)
Programming	No
Programming	Non
Regulation mode	Courant, Vitesse, Position
Operating mode	Entrées / Sorties digitales -
INPUTS:	
Description	4 entrées numériques
Analog	2 entrées analogiques
Enable/disable	Oui
Enable/disable	Yes
Electronic braking	Oui
Electronic braking	Yes
Encoder	A,A\,B,B\,I,I\ (max
Serial link	RS232
CAN link	CANopen DSP301/402
OUTPUTS:	
USB connection	Mini-USB
Speed image	Oui
Speed image	Yes
Current image	Oui
Current image	Yes
Ready	Oui
Ready	Yes
Auxiliary voltage	+5 VDC max. 150 mA
Hall Effect sensor power	+5 VDC max. 30 mA
Encoder power supply	+5 VDC max. 70 mA

SETTINGS:
Motion profile	Accélération, décélération,
Regulation settings	Recherche automatique
Graphic interface display	Courant, Vitesse, Position
Offset	Oui
Offset	Yes
Max speed	Oui
Max speed	Yes
Max permanent current	5 A
Acceleration ramp	Oui
Acceleration ramp	Yes
Max peak current	15 A
Regulator gain	Oui
Regulator gain	Yes
PROTECTION:	
Over-voltage	Oui
Over-voltage	Yes
Under-voltage	Oui
Under-voltage	Yes
Boost	Oui
Boost	Yes
Current overload	Limitation par réglage
Motor short-circuit	Oui
Motor short-circuit	Yes
Short-circuit to	Oui
Short-circuit to	Yes
Short-circuit to Auxiliary	Oui
Short-circuit to Auxiliary	Yes
Thermal	Oui
Thermal	Yes



Edition: Juli 2022 / subject to modification