

CROUZET - BLDC GEARED MOTOR WITH INTEGRATED SMI21 DRIVE & CANOPEN NETWORK

801495XX SMI21 CANOPEN
Planetary 52mm gearmotor 88W 12→48Vdc
12→555rpm 25Nm max



- 12→48 V dc, 10→120 Nm, worm and planetary gears
- Speed, torque & position control. CANopen network
- Reduce control panel space & cabling
- Long life (>20,000 hours)
- IP65 as standard

PRODUCT DESCRIPTION

The SMI21 integrated drive is ideal for applications where speed, torque & positional control is required. The motor also incorporates a high resolution 4096ppr incremental encoder ideal for precise positioning applications. With CANopen communication the motor can be connected & controlled via the master CANopen control network. The long lifetime of the brushless motor (>20,000 hours with rated load) means it is ideal for continuous or long duty applications. Having the drive integrated into the motor can also save control panel space, reduce cabling and save set-up time. 3 motor sizes available with the same diameter (57mm x 57mm), with increasing motor lengths for more power/torque. Planetary & worm gearbox options available for reducing the speed & increasing the output torque. The motors are rated to IP65 dust/water protection class as standard. Options for adaptation to the standard motor include adding a holding brake, special output shaft, special connectors, upgraded IP protection & special firmware developed according to your specific application requirements.

* Full documentation & user manuals available upon request.

TECHNICAL DATA

Diameter	52 mm
Integrated control	SMi21 CANopen
IP class	IP65
Life span	20,000h
Max. torque	25 Nm
Number of pulses per revolution	4096
Positioning feedback	Yes
Power	88 W
Ratio	i=6,75→308:1
Shaft diameter	12 mm
Speed options	12rpm→555rpm
Supply voltage	12 V DC, 24 V DC, 48 V DC
Type of gearbox	Planetary 1→3 stages

Connecting	
Input / Output - M16 - 15 pins	Pin N°
Input 1 (digital)	1
Input 2 (digital)	2
Input 3 (digital)	3
Input 4 (digital)	4
Input 5 (analogic)	5
Input 6 (analogic)	6
0V	7
Output 1 (digital - PWM)	8
Output 2 (digital - PWM)	9
Output 3 (digital)	10
Output 4 (digital)	11
Not connected	12
A - B - C	
Power supply - M16 - 3 pins	Pin N°
Not connected	1
+ 12Vcc -> + 48 Vcc	2
0V	3

[illegible]