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CROUZET - BLDC SQ57 MOTOR WITH INTEGRATED SMI21 CANOPEN DRIVE

80140XXX SMI21 CANOPEN
BLDC motor with Internal drive 88W 12?48Vdc 3750rpm 225mNm

- 12→48 V dc, 88→141 W, 225→650 mNm, 1180→4000 rpm
- Speed, torque & postion control. CANopen network
- Reduce control panel space & cabling
- Long life (>20,000 hours)
- IP65 as standard

PRODUCT DESCRIPTION

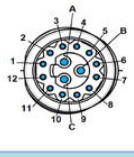
The SMi21 integrated drive is ideal for applications where speed, torque & positional control is required.
The motor also incorporates a high resolution 4096ppr incremental encoder ideal for precise positioning applications.
With CANopen communication the motor can be connected & controlled via the master 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), just increasing the motor length for more power/torque options.
The motors are rated to IP65 dust/water protection class as standard.
Options for adapation 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	57 mm
Integrated control	SMi21 CANopen
IP class	IP65
Length	135 mm
Life span	20,000h
Nominal torque	0.225
Number of pulses per revolution	4096
Positioning feedback	Yes
Power	88 W
Shaft diameter	8 mm
Speed options	1460rpm→4000rpm
Supply voltage	12 V DC, 24 V DC, 48 V DC
Weight	1.17 kg

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
Not connected	A - B - C



Power supply - M16 - 3 pins	**Pin N°**
Non connecté	1
+ 12Vcc -> + 48 Vcc	2
0V	3

Micro-USB B
Monitoring and setting

CAN - M12 - 5 pins	**Pin N°**
Not connected	1
Not connected	2
0V	3
CAN High	4
CAN Low	5

Speed-torque and current-torque curves