

CROUZET - BLDC PLANETARY GEARED MOTOR WITH INTEGRATED SMI21 DRIVE

801495XX SMI21
Planetary 52mm gearmotor 92W 12→48Vdc
13→578rpm 25Nm max

- 12→48 V dc, 52→81 mmØ, 25→120 Nm, 9→756 rpm
- Speed, torque & position control
- 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.

Motion programming, configuring & set-up performed through the dedicated user friendly DCmind-soft PC software. The program can be controlled via basic switches or by external PLC.

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.

* Product datasheets & 3D drawing for standard IP65 cable version attached as an example. Further information for braked version available upon request. Full documentation & user manuals also available upon request.

TECHNICAL DATA

Diameter	52 mm
Integrated control	SMi21
IP class	IP65
Life span	20,000h
Max. torque	25 Nm
Number of pulses per revolution	4096
Positioning feedback	Yes
Power	92 W
Ratio	i=6,75→308:1

Shaft diameter

12 mm

Speed options

13rpm→578rpm

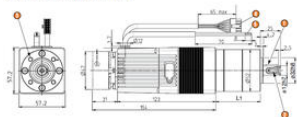
Supply voltage

12 V DC, 24 V DC, 48 V DC

Type of gearbox

Planetary 1→3 stages

801405 - SMA21 - PS2 with or without brake



- L1 1 stage: 55.3 x 0.5
- L1 2 stages: 59.5 x 0.5
- L1 3 stages: 63.1 x 0.5
- ① Input key 6 x 6 x 16 DIN 6895 A
- ② M4 x 10
- ③ M4 x 8 at 90°, depth 10 mm Ø 4.5
- ④ Control cable 12 x AWG24 / 500 mm
- ⑤ Power cable 2 x AWG16 / 500 mm

GEARBOXES FOR DCminid BRUSHLESS RANGE

4 to 120 Nm

- Planetary and worm gearboxes
- Double seal bearings
- Long service life
- IP66



Part numbers

Gearboxes	Planetary 0.55			Planetary 0.82			Planetary 0.81			Worm		
	Type	Part number	Part number	Type	Part number	Part number	Type	Part number	Part number	Type	Part number	Part number
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