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CROUZET - BLDC PLANETARY GEARED MOTOR WITH INTEGRATED TNI21 DRIVE

801495XX TNI21

Planetary 52mm gearmotor 77W 12?32Vdc 13?593rpm 25Nm max



- 12→32 V dc, 52→81 mmØ, 25→120 Nm, 11→775 rpm
- Speed & torque control. Easy use
- Reduce control panel space & cabling
- Long life (>20,000 hours)
- IP65 as standard



PRODUCT DESCRIPTION

The TNi21 integrated drive is ideal for applications where speed and torque control is required.

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.

Pre-set I/O mean that the motor can be used immediately without any complex preliminary set-up. It can be controlled via basic switches or by external PLC. Motor power and logic connections are via cable output or connector options.

The motors are rated to IP65 dust/water protection class as standard.

Options for adapation to the standard motor include adding an encoder, holding brake, special output shaft, special connectors, upgraded IP protection & special firmware developed according to your specific application requirements.

* Product datasheets & 3D drawing for 0-10Vdc, cable version attached as an example. Further information for PWM version, brake options & connector version available upon request.

Full documentation & user manuals also available upon request.

TECHNICAL DATA

Diameter	52 mm
Integrated control	TNi21
IP class	IP65
Life span	20,000h
Max. torque	25
Number of pulses per revolution	12
Positioning feedback	Yes
Power	77 W
Ratio	i=6,75→308:1
Shaft diameter	12 mm



Supply voltage 12 V DC, 24 V DC

Type of gearbox Planetary 1→3 stages

GEARBOXES FOR DCmind BRUSHLESS RANGE









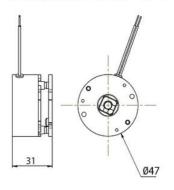






Options

Holding brake 0.5 Nm - 24 V===



Gearboxee	Planetary Ø 62			Planetary (7:52			Planetary (2 81			Worm:
Type	810495			510490			\$10497			810410
	Post représent			VAN NAME OF THE OWNER,			That is widow			Pail Oxides
80140 TNQ1	601496 TNQ1			807496 TN21			-			801410 TN21
BOLBO THICK	_			M01896	TNO1		801897	TNOT		actato Thigs
80290 TN21	-						802897 TNQ1			800810 TNQ1
80140 SMQ1	801496 SM21			801496 SMG1						801410 SMQ1
80180 SMQ1				801896 SMQ1			801897 SMQ1.			801810 SMQ1
BCSIC SMI21				_			802897	58401		800810 SMG1
Gearbox characteristics				_						
	100,00			105,000			500,000			Mis
Maximum parmitted torque (Nin)	4	12	. 26	- 8	. 25	50	20	60	120	10
Efficiency	0.8	0.7%	0.7	0.9	0.8	0.7	0.9	0.8	0.7	0.6 0.3
Axial dynamic load (dsN)		-10	16	7	90	15.		112	20	10
Radial dynamic load (daN)	20	-32	45	74	36	52	40	60	100	15.
Operating temperature	-20 == =70°C			-20 → +70°C			-2070°C			-50 ns +70°C
Integra (kg)	0.7	0.8	3.1	0.8	1.2	1.6	5.8	2.5	3.2	0.7
Standard reduction ratios	6.75	26 46	93 169 308	6.75	19 27 46	100 139 236 308	6	19 27	100 139 236	5 - 10 - 20 - 30 - 50
Other ratios possible		_				-	_	_		15 - 100
Community										



GEARBOXES FOR DCmind BRUSHLESS RANGE

4 to 120 Nm











Options

Holding brake 0.5 Nm - 24 V===

