Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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CROUZET MOTORS

80 W Motomate Planetary gearboxes Part number made to order

- Movement control for simple mechanisms
- All-in-one solution for quick integration
- Compact with high performance
- Intuitive programming with graphical function blocks
- Adapted for severe environments
- 12 pulses per revolution of the motor
- Independant torque control
- Uses the functionalities of TNi20

Part numbers

Type	Ratio	Max. speed (rpm)	Available torque (Nm)

Specifications

General characteristics

Supply voltage (V)	24 (20 →37)
Max. current (A)	6
Immunity from micro power cuts (ms)	1
Operating temperature (°C)	-20 →+40
Protection index	IP 54

Programming

Inputs / outputs	4I/4O
Programming method	Function blocks / SFC
Program size	128
Program memory	Flash EEPROM
Program cycle time (ms)	10
Real-time clock	No

Logic inputs

Max. number	4 (I1 →I4)
Input impedance (kΩ)	> 10
Logic 1 voltage threshold (V)	> 15
Logic 0 voltage threshold (V)	< 5
Response time (ms)	10

High speed inputs

Max. number	2 (I1 →I2)
Max. frequency (k Hz)	4

Analogue input

Max. number	2 (I3 →I4)
Measurement range	0-10 VDC
Resolution	8 bits
Accuracy	± 5 %

Logic outputs / PWM

Max. number	4 (O1 →O4)
Type of output	PNP
Insulation	No
Max. current (mA)	250
Leakage current (mA)	< 0,1
Response time (ms)	10
PWM frequency (k Hz)	0.11 →1.8
PWM accuracy at 120 Hz	5 %

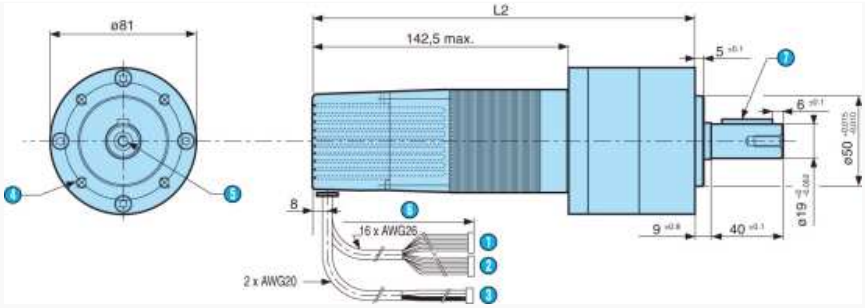
Accessories

Description	Code
Programming kit PC/Motomate - serial port	79 294 791
Programming kit PC/Motomate - USB	79 294 790
Programming software on CD ROM	79 294 792

Dimensions (mm)

Planetary gearboxes

Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected



Radial load max. = 200/300/500 N Axial load max. = 80/120/200 N (according to no. of stages)

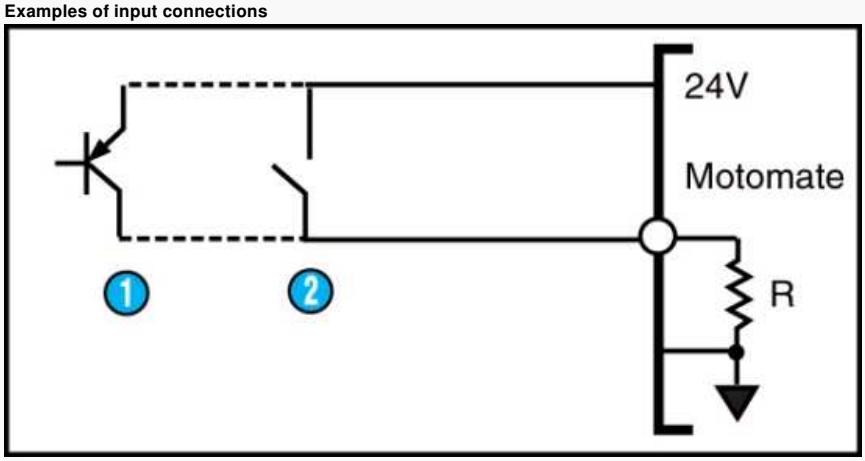
Nº	Legend
1	Connector 6 way : programming motomate
2	Connector 10 way : inputs/outputs motomate
3	Connector 2 way : power supply
4	4 holes M6 on Ø 65 depth 12 mm
5	Fixing hole M6 x 16
6	Cable length : 500 ± 15 mm
7	Key A6 x 6 x 28 according to DIN 6885
	L2 Ratio 5 : 212,8 mm max.
	L2 Ratio 27 : 234,7 mm max.
	L2 Ratio 139 : 256,8 mm max.

User precautions

*a) Never reverse the polarity of the supply
*b) Do not short-circuit the outputs O1 to O4 to ground
- Do not use the motor as a generator
- For more details on the geared motors, consult the brushless catalogue

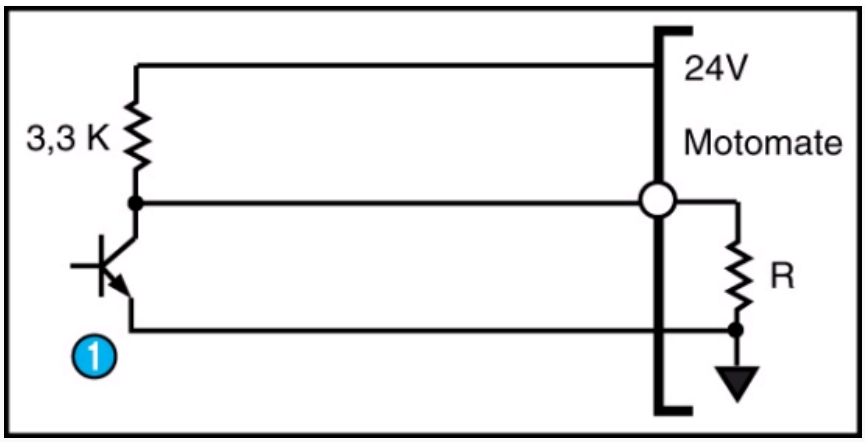
Applications

Examples of input connections



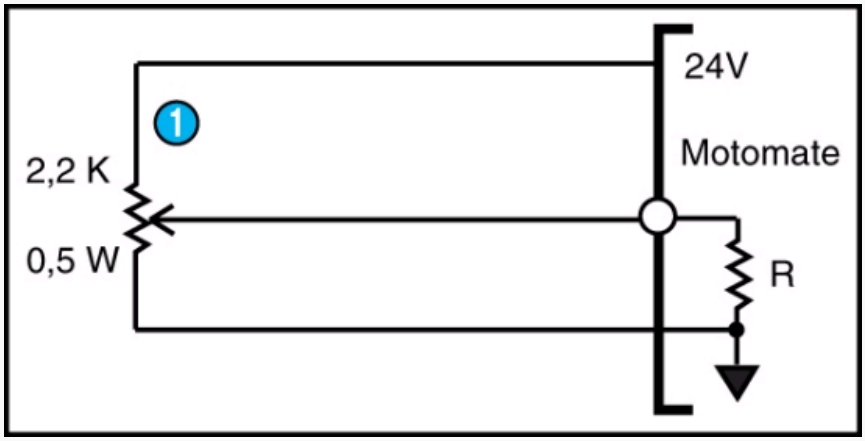
Nº	Legend
1	Sensor output PNP
	or
2	Contact

Applications



Nº	Legend
1	Sensor output NPN

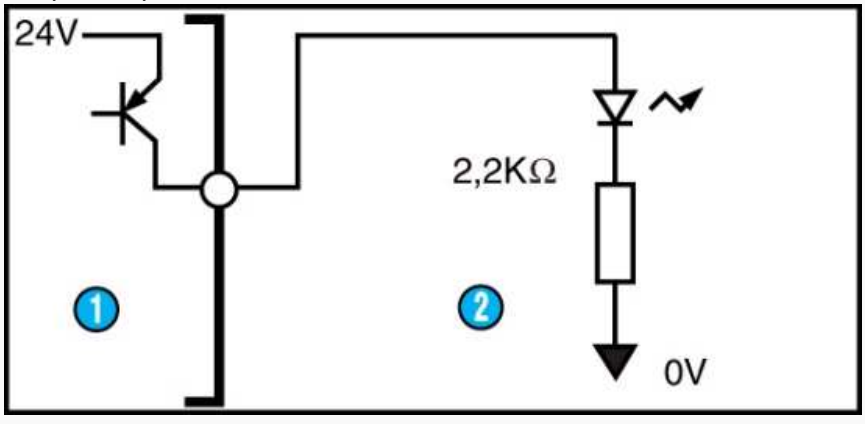
Applications



Nº	Legend
1	Potentiometer

Applications

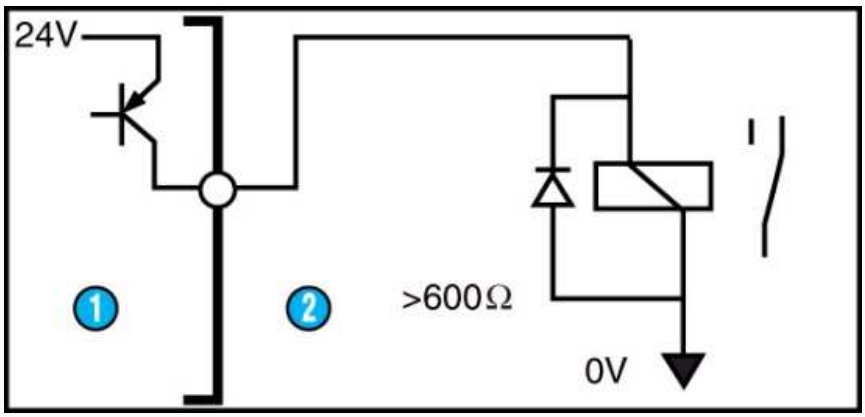
Examples of output connections



Nº	Legend
1	Motor
2	Load LED

Applications

Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected



Nº	Legend
1	Motor
2	Load relay

Product adaptations

- Special output shaft
- Special supply voltage
- Special cable length
- Customised electronics
- Special connectors
- Special gear ratios
- Special material for the gear wheels.
- Special mounting platee
- Customer programs installed at the factory