# Chipsmall

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

**CROUZET**
MOTORS

## 80 W Motomate Right angle gearbox Part number 80081004

- 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/4/O |
| 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)

**Right angle gearbox**

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

Radial load max. = 150 N Axial load max. = 100 N

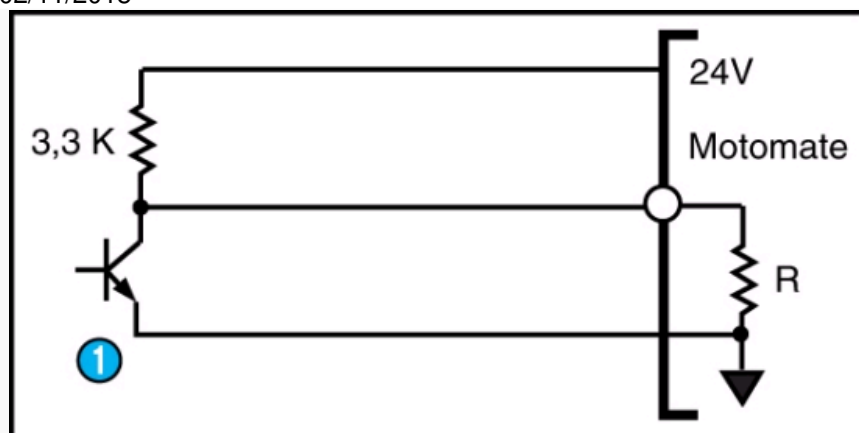| Nº | Legend |
|----|--------|
| 1 | Connector 6 way : programming motomate |
| 2 | Connector 10 way : inputs/outputs motomate |
| 3 | Connector 2 way : power supply |
| 4 | 4 x M5 depth 8 mm |
| 5 | Cable length 500 ± 5 mm |
| 6 | 4 x M4 on Ø 36 depth 8 mm |
| 7 | 4 x M5 depth 8 mm |

## 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
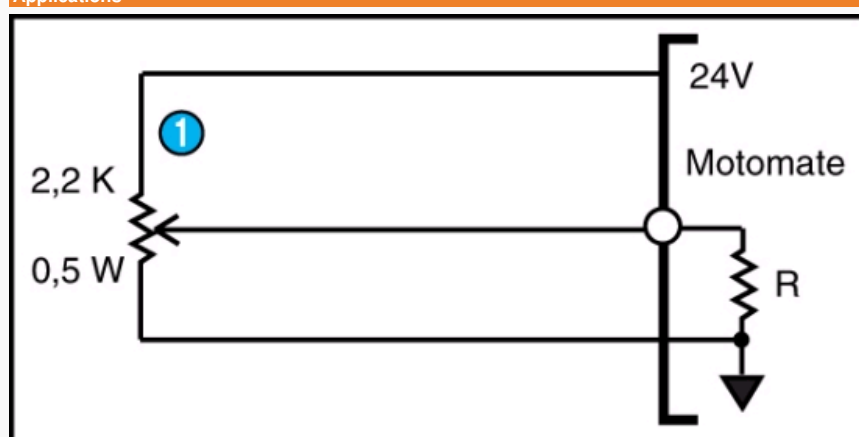- For more details on the geared motors, consult the brushless catalogue

## Applications

**Examples of input connections**
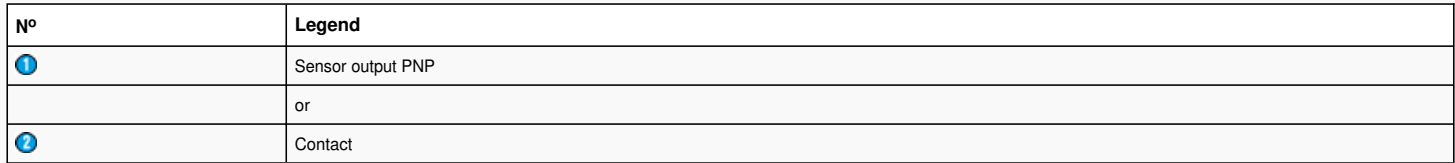
| Nº | Legend |
|----|--------|
| 1 | Sensor output PNP |
|  | or |
| 2 | Contact |

## Applications

*Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected*
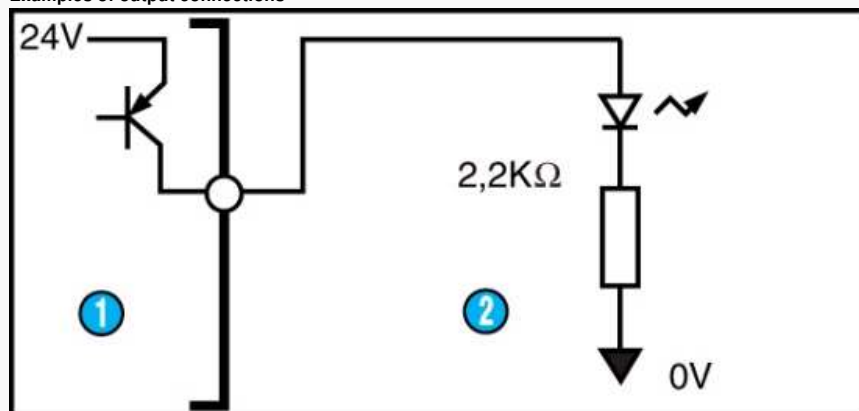
| Nº | Legend |
|----|--------|
| ① | Sensor output NPN |

**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*
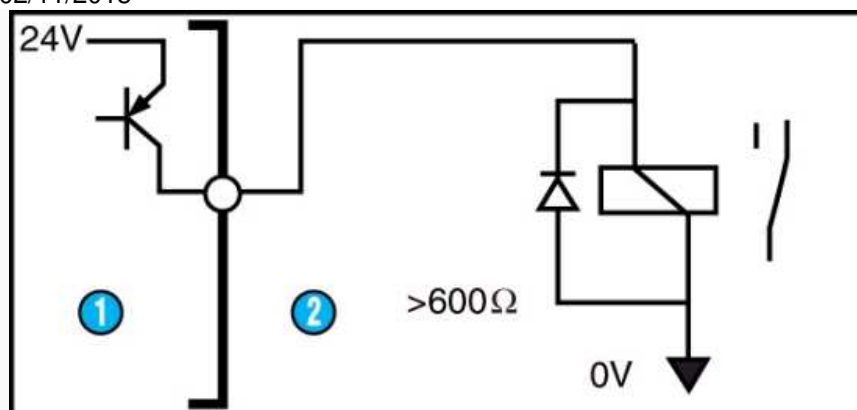
| Nº | Legend |
|----|--------|
| 1 | Motor |
| 2 | Load relay |

## 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