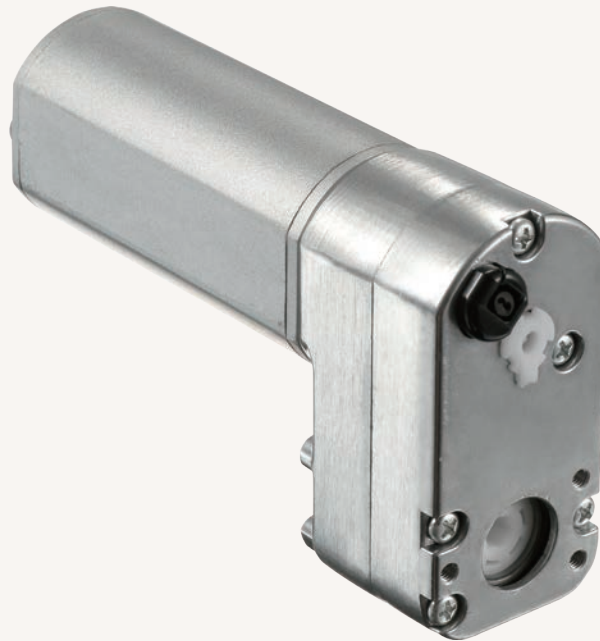


# TGM4

## series



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### Product Segments

- **Ergo Motion**

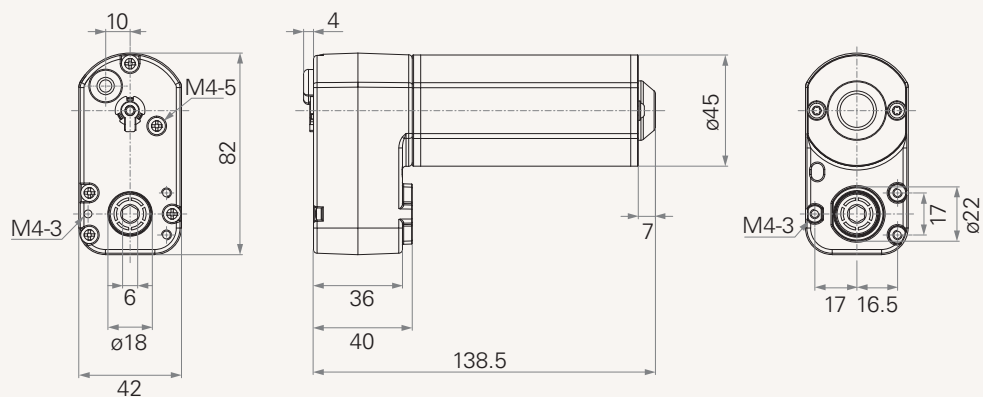
The TGM4 series gear motor is our compact size gear motor. Its primary use is for ergonomic applications like workplace adjustable desks and tables, but it can be used in a wide range of other applications. This product allows for quick, smooth and quiet adjustment of specific designed built-in spindles using external limit switches. Shafting allows mechanical synchronization of dual spindles.

#### General Features

Voltage of motor	24V DC
Maximum speed	188RPM ( $\pm 7\%$ ) after gear reduction
Torque	3.0Nm after gear reduction
Option	Hall sensor(s)
Hexogen hole for the shaft by 6mm diameter	
Low noise	

## Drawing

Standard Dimension  
(mm)



## Load and Speed

CODE	Rated Load		Typical Current at Rated Load (A)	Typical Speed	
	Torque (Nm)	Speed (RPM, ±5%)		32V DC (RPM, ±7%)	24V DC (RPM, ±5%)
Motor Speed (3800RPM)					
A	3.0	85	3.5	175	133
Motor Speed (2200RPM)					
B	2.3	46	2.0	102	76
Motor Speed (4100RPM)					
C	2.3	103	3.0	188	140
Motor Speed (3300RPM)					
D	2.0	80	2.0	152	114

## Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application.

Due to continuous development in order to improve our products, TiMOTION products are subject to frequent modifications and changes without prior notice.

TiMOTION reserves the right to discontinue the sale of any products displayed on its website or listed in its catalogue or other written materials drawn up by TiMOTION.

TGM4

Version: 20130509-C

Version: 20130509-L

<div><div></div><div></div></div>	<b>Voltage</b>	2 = 24V			
<div><div></div><div></div></div>	<b>Load and Speed</b>	See appendix			
<div><div></div><div></div></div>	<b>Output Signals</b>	0 = Without	1 = One Hall sensor	2 = Two Hall sensors	
<div><div></div><div></div></div>	<b>Motor Brake</b>	0 = Without		1 = With	
<div><div></div><div></div></div>	<b>Direction of Brake</b>	0 = Without	1 = Counterclockwise	2 = Clockwise	
<div><div></div><div></div></div>	<b>Plug</b>	0 = Tinned leads	1 = TiMOTION's standard 6pin plug	2 = Molex plug 8PIN	A = Customized
<div><div></div><div></div></div>	<b>Cable Length</b>	0 = Straight, 1000mm 1 = Straight, 1500mm	2 = Straight, 2000mm 3 = Coiled, 1000mm	A = Customized	
<div><div></div><div></div></div>	<b>External Limit Switch (TES2)</b>	0 = Without		1 = With	
<div><div></div><div></div></div>	<b>Output Rotation (If with TES2)</b>	Number of hexagon rotations (up to 35 rotations); if without TES2, the code here will be 00			