

EC BRUSHLESS MOTOR

Example for Performance EC motor stack height 12 mm.

RATED VOLTAGE	230 VAC (-15%; +10%)
INSULATION CLASS	F
MOTOR EFFICIENCY	Up to 60%
WITHSTAND VOLTAGE	1800 V
TORQUE DIRECTION	CW/CCW
NUMBER OF POLES	2
MAX SPEED	3.000 rpm
PROTECTION	Thermostat 100 °C/130 °C
OPERATING TEMPERATURE	-5 °C / +40 °C
NOTE	Shaft lenght: on request Wires color: on request



EXTREMELY SILENT
LOW ENERGY CONSUPTION
HIGH PERFORMANCE

Everel has released the new EC brushless motors series which features a wide range of application characteristics and options.

Motor can be controlled via PWM, 0-10 V, or fixed multiple speeds (up to 3).

The enhanced versions, which integrate more advanced electronics, allow further motor speed control options and possibility of reversing the rotation.

Various sensor (e.g. Humidity, flow, presence) can be integrated in the same bord.

Possibility of Firmware customization.

Motor efficiency up to 60%.

- Integrated electronic
- Power supply from 12 VAC to 240 VAC / 1 / 50-60. Also available 12/24 VDC.
- Same dimensions and cut-out of standard motors (diameter 58 mm)
- Ball bearings



OPTIONS

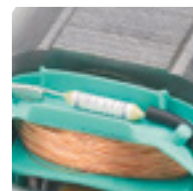


Shaft can be smooth, milled or with grooves with length on demand



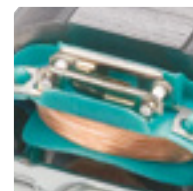
Stack height from 12 to 35 mm

Fuse



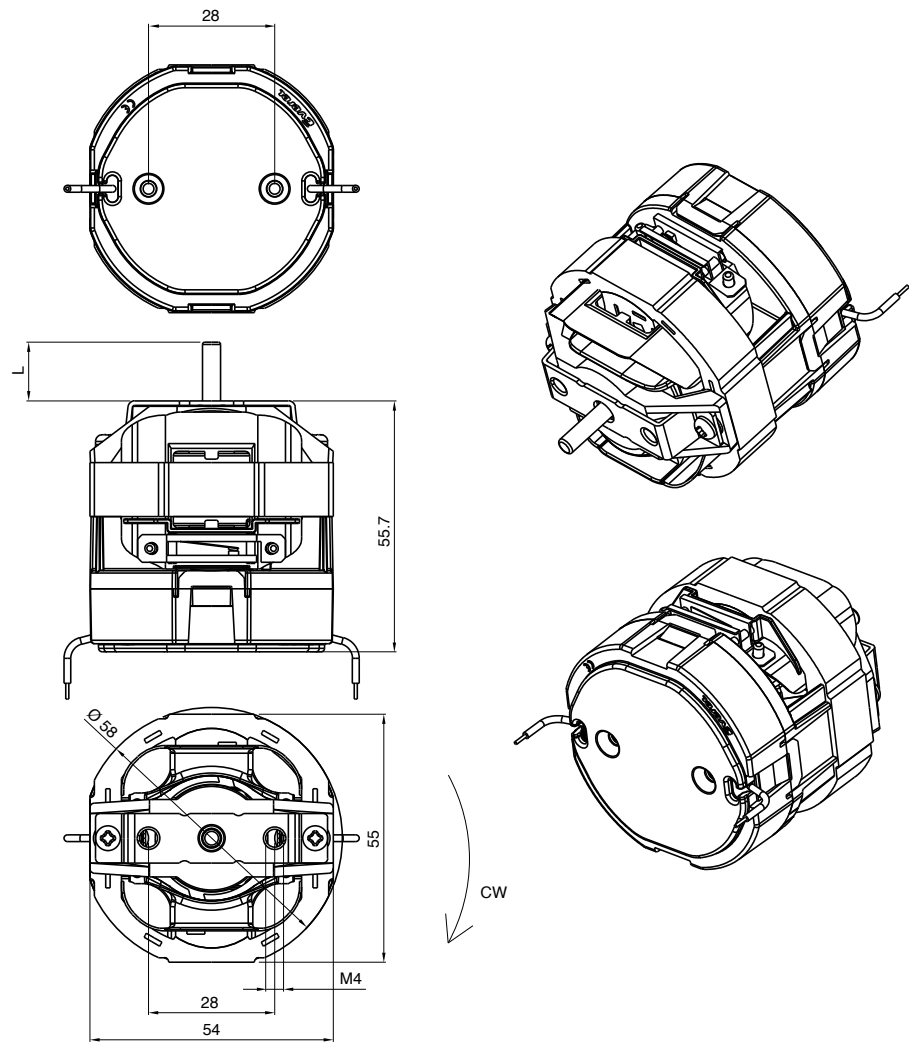
Motors protected by motor impedance or thermal protected by fuse or thermostat (autoreset or PTC)

Thermostat



DIMENSIONS

(Performance version)



Different covers available

TECHNICAL FEATURES

Power consumption and output - Typical values (*)

Stack height (H) mm	BLDC 58	
	Power Consumption W	Output Power W
12	15	5
16	20	7
20	25	9
25	30	11
30	40	15
35	50	20

(*) Values may be fine-tuned on application and depend on load condition and use profile.