

85300521 H1

VL-MM-230-35


Vestaline
M-Line motors

VL-MM-230-35/6Nm
VL-MM-230-35/6Nm-5
VL-MM-230-35Q/6Nm
VL-MM-230-35Q/6Nm-5
VL-MM-230-35/10Nm

Art.-no.: 01066000
Art.-no.: 01066002
Art.-no.: 01066005
Art.-no.: 01066006
Art.-no.: 01066011

Vestaline motors for controlling shutters, awnings, blinds and screens.

Installation and Operating Instructions

Short description

- Motor 35 mm tube diameter
- Mechanical setting of limit positions via screws on the motor head
- 2.5 m and 5 m cable, white

Intended use

These types of tubular motor described in these manual is intended solely for controlling sunshade systems, awnings, screens or roller blinds. These types of tubular motor cannot be used in potentially explosive area.

These types of tubular motor are designed for using in a single sunshade system.

The motor should only be used for the purpose specified by the manufacturer (refer to the operating instructions). Any changes or modifications thereof are not permissible and will result in loss of all warranty claims.

Safety precautions



WARNING!

Important safety information. Follow these instructions to ensure the safety of persons.

- Contact a professional electrician to install the motor, because the control system requires a power supply of 230VAC, 50 Hz.
- Check the motor for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the motor and notify your supplier immediately.
- The motor should only be used for the purpose specified by the manufacturer (refer to the operating instructions). Any changes or modifications thereof are not permissible and will result in loss of all warranty claims.
- Technical data can be found on the type label of the tubular motor.
- If the motor cannot be operated without presenting a hazard, it must be switched off and prevented from being switched on unintentionally.
- When performing work on the windows, motor or connected shades, protect them against unauthorised or unintentional operation.
- Moving parts of the motor must be installed at a height of over 2.5m above the floor level or any surface from which access to the motor is gained.
- Drive accessories such as shaft adapters and motor bearing must be carefully selected from the manufacturer's sales program.
- Always select the safest and most suitable variants for fastening the drive (motor bearings).

Technical data



Article	VL-MM-230-35/	6Nm	Q/6Nm	10Nm
	Art.-no.:	01066000 + 01066002	01066005 + 01066006	01066011
Rated torque	Nm	6	6	10
Output speed	rpm	28	28	17
Tractive power	kg	17	17	25
Power supply	VAC	230	230	230
Frequency	Hz	50	50	50
Rated power	W	121	121	121
Rated current	A	0.53	0.53	0.53
Running time	Min.	4	4	4
Protection degree	IP	44	44	44
Max. limit turns	turn	30	30	30
Length L1	mm	459	500	459

Declaration of conformity

This product complies with the essential requirements. The Declaration of Conformity concerning this product is available on our website: www.vestamatic.com

Disposal of waste

The disposal of electrical equipment and batteries in household waste is strictly forbidden.



The symbol (dustbin crossed out, in line with WEEE Appendix IV) indicates separate collection of electrical and electronic products in EU countries. Do not dispose of the device or battery in your household waste. Ask your town or local council about the return and collection systems available in your area to dispose of this product.



ATTENTION!

Pay attention to the following European guidelines:

- The cables must conform to the applicable VDE standard.
- If installing motors with a PVC H05VV-F cable, the cable on surface-mounted outdoor installations and recessed-mounted installations must be protected by a cable conduit or cable duct.
- When installing the motor, all-pole disconnection from with a contact gap of at least 3mm per pole must be provided.
- The up and down directions of the blind switch/button must be electrically or mechanically locked against each other. The changeover time for changing the running direction (up/down) must be at least 0.5 sec.

Installation

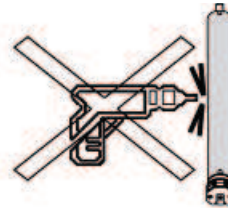
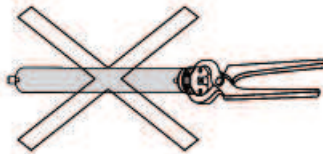
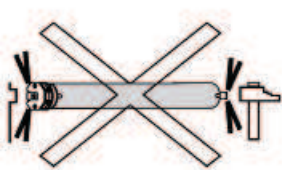
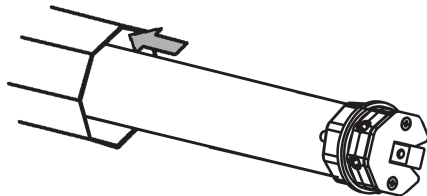
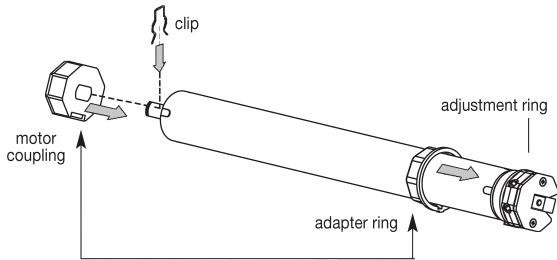


WARNING!

Risk of injury due to improper installation and commissioning. Improper installation and commissioning may lead to personal injury or property damage.

Therefore:

- When connecting the device, observe the currently valid VDE standards (in particular DIN VDE 0100/0700), your local power company's regulations and the current accident prevention regulations.
- Connect the motor in accordance with the wiring diagram.



Setting the end position switch

The end position switch is pre-set to about two turns of the shaft.

- Turning the adjusting screw towards the “+” increases the travel.
- Turning the adjusting screw towards the “-” decreases the travel.

Refer to the diagrams opposite to see which adjusting screw should be used for which switch-off point.

Setting the “lower” end position

1. Move the motor *downwards* until the automatic end position switch independently stops the motor.
2. If the pre-set end point cannot be reached (e.g. end of material reached), move the motor *upwards* and then turn the relevant adjusting screw towards the “-” to shorten the travel. If necessary, repeat this process until the motor stops before the desired end stop position.
3. Now turn the adjusting screw towards the “+” until the motor has reached the desired *lower* position.

Setting the “upper” end position

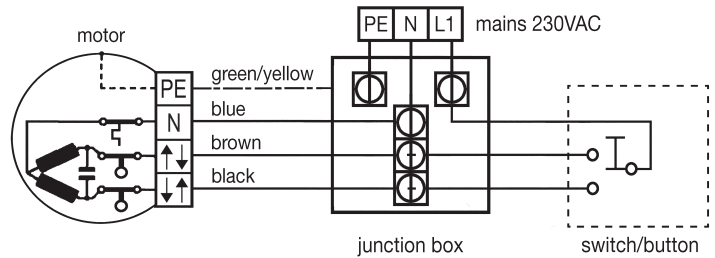
1. Move the motor *upwards* until the automatic end position switch independently stops the motor.
2. If the pre-set end point cannot be reached (e.g. material runs into the cassette), move the motor *downwards* and then turn the relevant adjusting screw towards the “-” to shorten the travel. If necessary, repeat this process until the motor stops before the desired end stop position.
3. Now turn the adjusting screw towards the “+” until the motor has reached the desired *upper* position.

Wiring diagram



ATTENTION!

Parallel control of more than one conventional drive motor can only be implemented by means of isolating relays.



Motor cable wire colours:

- green/yellow: ground conductor/PE
- blue: neutral conductor/N
- brown: phase direction 1
- black: phase direction 2

