



VTi® CELTIC MECHANICAL LIMITS - STANDARD MOTOR | 20 Nm

6-700-CM-45S20 (120V) | 6-700-CN-45S20 (230V)



AS QUIET AS
42dB
VTi® CELTIC MOTORS



Does not support RF Control

*Motor Plate for Dropshades and Awnings Systems is already installed in the motor.

FEATURES

- Suitable for projects that require integration systems with dry contacts.
- The choice for residential and commercial projects with exterior shades.
- Its roll up speed is as fast as 33 rpm.
- Recommended for shades with dimensions up to 236" x 236" | 6 m x 6 m.
- Operation as quiet as 42 dB.
- Reliable and consistent mechanical limits.
- Not affected by voltage variations and spikes.
- Limits are not subject to changes that erroneously could be activated by the transmitter.
- AC: alternating current.
- Suitable for indoor and outdoor use. It is water resistant, but not waterproof.
- Compatible with Atos & Arion Systems.

APPLICATIONS



Dropshades

CONTROL SOLUTIONS



Single Pole Double
Throw (SPDT) Switch
for Standard Motors
6-100-61-20727

*Dry contact control by 3rd party Automation System.

CERTIFICATIONS

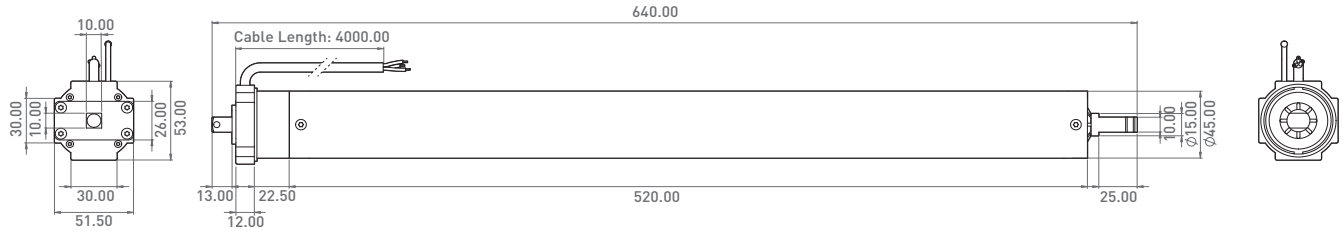




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DIMENSIONS



*All measurements are reflected in millimeters.

TECHNICAL SPECS

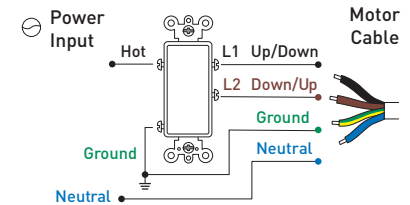
| | | | |
|-------------------------|---------------------------------------|---------------------------|---|
| Torque | 20 Nm | Cable Length | 158 in 4 m |
| Speed | 33 rpm | Current | CM: 2.5 A CN: 1.089 A |
| Sound Level | 42 dB | Thermal Protection | 4 Minutes |
| Limits | Mechanical | Voltage Supply | CM: 120 V AC (60 Hz) CN: 230 V AC (50/60 Hz) |
| Max. # of Turns | 55 | Maximum Shade Size | 236" x 236" 6 m x 6 m |
| Index Protection | IP 44 | Weight Capacity* | 118 lb 68 kg |
| Power | CM: 300 W CN: 250 W | | |
| Cable Type | SVT #18AWG (3 x 0.8 mm ²) | | |

WIRING

120V | 230V

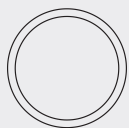


Blue = Neutral
Black = Live 1
Brown = Live 2
Green | Yellow = Ground

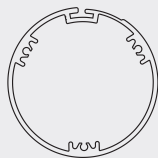


*The maximum weight capacity is calculated under optimal circumstances. Actual results may vary. Specifications are subject to change without notice.

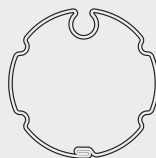
RECOMMENDED TUBES



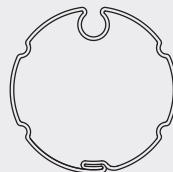
2" | 50 mm



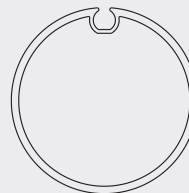
2½" | 63 mm



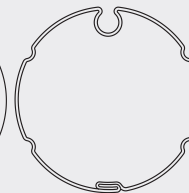
2½" | 63 mm



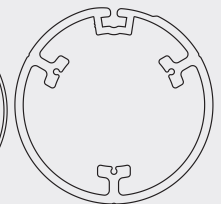
2¾" | 70 mm



3" | 78 mm



3" | 78 mm



3¼" | 83 mm

| | | | | | | |
|-----------------------------------|--------------------------|-------------------------|-------------------------|-----------------------|-------------------------|--------------------------|
| Smooth Heavy Duty Aluminum Tube** | Structured Aluminum Tube | Galvanized Grooved Tube | Galvanized Grooved Tube | Aluminum Grooved Tube | Galvanized Grooved Tube | Structured Aluminum Tube |
| 0-154-TU-50522 | 0-154-TU-630XX | 0-154-TU-G6321 | 0-154-TU-G702X | 0-154-TU-78022 | 0-154-TU-G7821 | 0-154-TU-83020 |
| Length: 20' | Lengths: 16' & 19' | Length: 19' | Lengths: 16.4' & 19' | Length: 19.5' | Length: 19' | Length: 16' |

*Find all recommended tubes, along with their crowns, drives & end plug adapters in the Compatible Tubes & Adapters Section, at the end of this Manual.

**This tube require a notch on the crown adapter or counter ring and 2 rivets on the drive in order to avoid slipping.