

**SUNBell**

TV22VMC (DOUBLE GLAZING 22 MM)

Venetian blind motorized with a control unit. Packeting and tilting

1. PRODUCT DESCRIPTION

01:01 Product identification

Venetian blind TV22VMC motorized by a control unit powered by the movement of single and/or group wall buttons and radio control, for assembly in insulating window.

01:02 Description

Venetian blind in double glazing with control unit with 2-4-6-8-10-12 channels which allows moving single and/or group movement of blinds automatically or manually through wall buttons. Great versatility of the system thanks to the small section of wires to use, the great distance of the control unit from the connected blinds, the possibility of having the version with radio receiver to use remote radio control as well, possibility of connection to the home automation system. Simple electrical connection and clear and intuitive functioning of the system.

2. TECHNICAL FEATURES

02:01 Product identification

Motorized blind made up of:

- electronic control unit with 2-4-6-8-10-12 channels
- switching power pack
- wiring
- radio control
- reduction gear
- painted aluminium slats
- various extruded aluminium profiles
- cord
- terylene ladder braid
- various metal and plastic components

1 Control unit complete with 12 V switching power pack

Electronic control unit with 2-4-6-8-10-12 channels to manage movement of blinds and their endblocks. Management of fast automatic function until endblocks or to the desired level and slow single and/or group manual function to incline the slat. Software system with power supply management and safety management in case of accidental blockage of blind. Possibility of movement through wall button or radio control, system can be connected to home automation system.

2 Reduction gear

Micro-reduction gear with diam. 18 mm, placed in a special plastic support inside the aluminium profile. This micro-reduction gear is controlled by a special 12V motor, controlled by the control unit. Transmission ratio $R=231$. Slow shaft speed -30/40RPM. Max. current absorbed 1A Precise broached steel body (degree 7) M0.40 high precision gears, in treated steel, mechanically machined. Slow shaft supported by 2 ball bearings diam. 8/16 H5.

3 Aluminium slats

The main alloy used for the slats is alloy AA 6011. Dimensions; width 12.5 mm, thickness 0.21 mm. The chemical composition of this alloy is made following the directives of the Aluminium Association and has been chosen for its remarkable mechanical properties and their stability. This material is particularly suitable for uses requiring NO-FOGGING properties as in the case of insertion in double-glazing. All the layers of the laminate of the slat are cold pre-treated to guarantee perfect and lasting adhesion of the paint and considerable resistance against conditions of high humidity. This thermo-stop treatment means that the slats, made of these layers, behave exactly as a heat regulator. The slat, chemically pre-treated, is supplied with a finish suitable for indoor applications. The decorative finish usually consists of a single coat of polyester. This finishing process is subject to stringent controls on the line. The process and final quality selection ensures that the material is free of fogging. 9 colours of slats available. All the tests are performed in conformity with EN standards and others that include internationally accepted specifications and testing methods.

4 Extruded aluminium profiles

The extruded profiles are made from aluminium alloy EN AW 6060 with a chemical composition defined by standard EN 573-3, created to the design and according to an innovative project by the SunBell technical department. The metallurgical state of supply is T5 unless otherwise specified, according to the standard UNI EN 5415, with mechanical characteristics according to standard UNI EN-755-2. Box and back powder coated to match the colour of the slats. Dimensions of box: 22x44.90 (part with flap)/39.90 (part without flap) mm. Dimension of back: 11 x 12.60 mm

5 Cords

Cords made from 100% polyester with 100% 280/2x3 entwined polyester core- Entwinding: 16 ends - diameter: 1 mm Traction resistance: 120-200N - treatment: stabilized - colour tests: Xenon test 6

6 Ladder braids

Made from 100% polyester- construction of ladder braid: 2 cables without distance - resistance to traction on both sides: 240N Colour test: Xenon test 5 - pitch: 10 mm



SPECIFICATIONS TECHNICAL INFORMATION MODEL:

SUNBell

TV22VMC (DOUBLE GLAZING 22 MM)

Venetian blind motorized with a control unit. Packaging and tilting

