

1. technical features

A mechanical end-stop incorporated within the head-rail, ensures a safety stop of the blind in the extreme positions. The bottom rail and the fabric slide inside appropriate side guides to avoid light transmission down the sides. Two pelmets, fixed to the head rail, ensure the correct unfolding of the fabrics and a total closure of the upper profile. The entire kit is contained within the spacer bar frame, thereby ensuring a complete hermetic seal of the unit.

Height	300 ~ 1.800 / 2.200 (varies according to the fabric quality)
Width	250 ~ 1.200 mm
Maximum area	3 sqm
Blind stack height	90 mm

Motor groups

24V dc power supply, maximum absorption: 400 mA.

Operation speed: 45 rpm.

Torque: 1 Nm

Motor

F class winding (155°C); brushes in 50% CU, 47% C, 3% MoS₂; diamond finished commutator.

Reducer

Planetary 4 steps-reducer. Completely manufactured in steel. Cogged gears, external broached rim, planetary supports with guide rollers, double bearings in output.

Ratio: 270:1.

Encoder

Magnetic encoder in Neodymium, with a very high magnetic field with a resistance strength up to 120°C. Fixed firmly on the motor shaft via a brass ring.

Electronic card

Manufactured from standard industrial components with an operating range (-20 °C +100 °C), it controls the encoder, the speed limiter and the motor safety function .

Head rail

Extruded aluminium, A6063S-T5 alloy.

Dimensions: width 27 mm, height 34 mm.

Powder coated to colour aluminium grey.

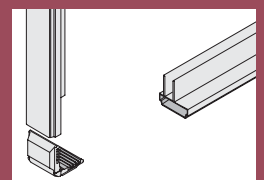
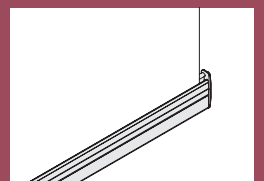
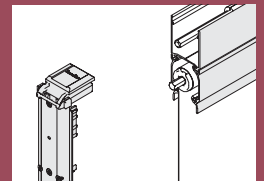
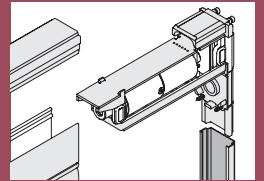
Cover Profile

Extruded aluminium, A6063S-T5 alloy. Dimensions: width 8 mm, height: 36 mm.

Powder coated to colour aluminium grey.

Verosol® fabric

Woven polyester fabric with an aluminium microfilm applied through an exclusive vacuum coating technique (three-chamber system). The microfilm adhesion complies with the EN-ISO 7523 regulations and the fabric is Class 1 (one) Flame-Retardant - 18 colours available.



SL27M rullo

ROLLER

Performance characteristic of the Verosol® fabric

Verosol® Fabric	Solar reflection %	Light reflection %	Solar absorbing %	Solar transmission %	Light transmission %
812	71	66	20	9	9
816	52	50	28	20	2
878	74	74	21	5	5

Bottom rail

Extruded aluminium A6063S-T5 alloy
 Dimensions: width 6 mm, height 25 mm
 Powder coated to colour aluminium grey

Spacer bar

Extruded aluminium; Dimension 27 x 8 mm.
 Upper: extruded open spacer bar 27 x 8 mm.
 Sides and Lower: extruded "U" shaped spacer bars with 17 mm guide projection.

Control accessories

Control unit

For use in the application of centralization of several blinds or bus control.
 It is possible to connect a maximum of 4 blinds. Available connections: input power supply (24V dc) manual switch, remote control connection and remote connection to other control units if required, and output to motor. Due to its small dimensions (40x40x20 mm) it can be easily contained in the surface or wall mounted back box. Equipped with internal safety fuse 6,3 A.

Power supply

Input 230Volt AC / output 24V DC ÷ 5%, 2A. Protection fuse 3,15 A delayed, for maximum 4 blinds.
 Dimensions: 110 (130 mm with fixing projections) x85x50 mm (height)