

1. technical features

the fabric to be nearer to the extremities, guaranteeing better blind stability. The electrical system incorporates a polarity inverter allowing the raise and lower function of all the connected blinds to be fully synchronized using only two wires. A mechanical end-stop incorporated within the head-rail, ensures a safety stop of the blind at the lowest position. The entire kit is contained within the spacer bar frame, guaranteeing the hermetical seal of the system.

Height	300 ~ 2500 mm
Width	300 ~ 1500 mm
Maximum area	see feasibility table
Blind stack height	2% blind height + 80 mm

Motor groups

24V dc power supply, maximum absorption: 300 mA.

Operation speed: 50 rpm.

Torque: 0,8 Nm

Motor

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

Reducer

Planetary manufactured in steel. Cogged gears, external broached rim, planetary supports with guide rollers, double bearings in output.

Total Ratio: 214:1 (95:1 in the reducer; 2,25:1 in the corner key)

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. Operating range (-20 °C +100 °C) and controls the encoder, the speed limiter and the motor safety function. Motor and electronic chart are fixed on the plastic slide.

Head rail

Extruded aluminium, A6063S-T5 alloy.

Dimensions: width 20 mm, height 54 mm with 5 mm pelmet

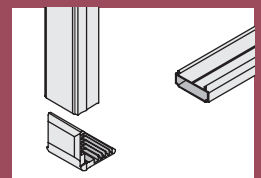
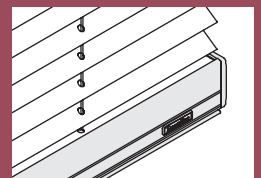
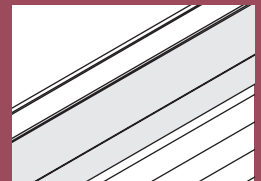
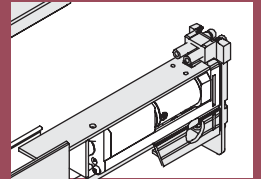
High-resistance polyester paint. Available colours: aluminium grey, white and beige.

Verosol® fabric

Woven polyester fabric, 14 mm pleat, with an aluminium microfilm applied through an exclusive vacuum technique (three-chamber system). The microfilm adhesion complies with the EN-ISO 7523 regulations and the fabric is Class 1 (one) Flame-Retardant. Colours available: 6.

Vanity fabric

Woven polyester fabric, 14 mm pleat, non flame retardant, not metallised. Colours available: 2.



SL20M plissé

SL22M plissé

Performance characteristic of the Verosol® fabric

Pleated Verosol® Fabric	Solar reflection %	Light reflection %	Solar absorbing %	Solar transmission %	Light transmission %
812	71	66	20	9	9
816	52	50	28	20	22
878	74	74	21	5	5

Performance characteristic of the Vanity fabric

Pleated Vanity Fabric	Light reflection %	Light absorbing %	Light transmission %
White C000	46	4	51
Cream C010	40	13	46

Bottom rail

Extruded aluminium A6063S-T5 alloy.

Dimensions: width 14 mm, height 30 mm.

Manufactured in two interlocking profiles.

Powder coated to colour aluminium grey, white or beige.

Internal cord

Thermo-fixed 100% polyester internal cord, with excellent dimensional stability.

1.0 mm diameter – colour white. High resistance performance and very little shrinkage effects at high temperature.

Spacer bar

Extruded aluminium.

SL20C System Dimensions: 20 x 6,5 mm; Upper: extruded open spacer bar; Lower: extruded “U” shaped spacer bar with 2 mm clipping projection; Sides: “L” shaped side spacer with 8 mm projection on one side.

SL22C System Dimensions: 22 x 6,5 mm; Upper: extruded open spacer bar; Lower: extruded “U” shaped spacer bar with 2 mm clipping projection; Sides: “C” shaped side spacer with 8 mm projection on each side.

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. Possible connections: power supply, single switch and remote signal from other control units, and output to motor. Due to its small dimensions (40x40x20 mm) it can be easily contained in the wall electric box. Equipped with internal safety fuse 6,3 A.

Power supply

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