MELANO TP7100

Terrace awning with motor drive

Horizontal folding awning which with an aluminium - extruded drop profile (dimensions 70 x 65 mm) lets the cover tracks (500 mm wide), which are separated from one another, in and out. Held by the pipe profiles present (aluminium extruded profile dimensions 30 x 65 mm), quantity depending on the projection, the cover tracks are designed so that rainwater is drawn off at the side, making them suitable for year-round use. Without snow load and up to wind resistance class 3 in accordance with DIN 13561.
Driven by an electrical drive with mechanical end stop. Power feed 230 V / 50 Hz. IP protection class 44. Force transfer to an aluminium extruded profile motor shaft Ø 30 mm which, via teethed wheels, passes on the movement to teethed belts with Kevlar reinforcement on both sides of the front profile. Protection of the motor from above using an aluminium cover (90 x 65 mm) and covered from below by a covered track which is adjusted from the last pipe profile to the steel cover shaft (Ø 60 mm) in a material-related way. All aluminium profiles and aluminium cast components are powder-coated. Fabric covering consisting of polyester fabric (630 g/m²) with polyvinyl chloride coating and high-grade surface texture making it suitable for continuous outside use. Material thickness 0.5 mm. Washable and watertight up to a water column of 3000 mm. Burning behaviour flame-resistant class B1 in accordance with DIN 4102-1.

Product variant with TP400 frame
The horizontal folding awning is integrated into a frame for free-standing installation. The aluminium support profiles (dimensions 122 x 200 mm) are continuous and accept the guide rails (aluminium extruded profile with anodic treatment dimensions 50 x 63 mm) for the folding awning. The box for the optional vertical awnings at the side is also integrated into the support profile.

The beams are supported by aluminium extruded support profiles (dimensions 170 x 170 mm). The support profiles are designed to accept cover profiles (aluminium extruded profile dimensions 7 x 33 mm) or lateral guides for the vertical awnings with SIR-System™ (Soft Integrated Retaining System). At the same time a groove is provided into which an inner cover (aluminium extruded profile dimensions 10 x 15 mm) or an integrated lighting system can be fitted. The gutter can be hung in one of the provided grooves on the beam. (Retro-fitting not possible) The supports are fixed to the foot plates (hot-dip galvanised steel) which in turn are screwed directly to the ground or a substructure.

Options:

Drainage
Surrounding gutter (aluminium extruded profile dimensions 222 x 59 mm) which catches the water flowing off the cover tracks. Gutter cannot be retrofitted! The water is drained off through the supports via the drip trays that connect the gutters to the supports. Drainage from the support, optionally or depending on the ground below, through the support base or out of the side of the support.

Cover (technical solution still open)
Depending on the width of the TP400 frame, two or three 12 mm laminated safety glasses (annealed) will be fitted on two rectangular profiles (aluminium extruded dimensions 50 x 120 mm) using point holders. Maximum projection 660 mm.

Integrated LED lighting
The support profile contains a groove for an integrated light. An LED strip light (LED light source warm white) can be built into the top 80 cm of this. It is covered by a plastic reflector profile. Variants with remote control and dimmer.

Sockets
A socket can be adapted in the support profile, at a height of 500 mm on each of the inner sides. Depending on the connection type, a choice can be made between Feller Typ 13 (CH) or Feller Typ Schuko (EU). To fit other socket types, it is possible to choose only the hole-drilling in the supports. This option is not possible in conjunction with SV1020 side glazing.

Wall connection to TP400
For connection to the wall the beam must be provided with a wall junction profile which at the same time replaces the beam cover profile. For ceiling installation top brackets are also required. Depending on the mounting situation the beams are supported by 2 or 3 aluminium extruded support profiles (Dimension 170 x 170 mm). Where there are no supports for holding the side guides in the vertical awning, additional guide rails with fixing brackets are used.

VM120/2 Integrated vertical awning with zip technologic
The box as well as the lateral guides for this vertical awning are already contained in and fully integrated into the beams as well as the supports of the TP400 frame. The cover shaft, with a 70 mm diameter, is made from galvanised steel and is supported throughout by a slide bearing. Driven by a 230 V / 50 Hz or 120 V / 60 Hz AC (country-specific) tubular motor with friction brake and electronic stop position switch off. Also with remote control option. The hot-dipped flat steel gives the extruded aluminium drop profile with the dimensions 30 x 37 mm additional weight and is fitted on both sides with the zip lock system SIR (Soft Integrated Retaining System). The awning cover qualities Soltis 86 and Soltis 92 from the current STOBAG collection transparency range are available for selection without restriction. Twilight only up to the support height 2600 mm. The vertical awning is also always possible in combination with the SV1020 side glazing.

SV1020 Complete sliding glass panel system
The aluminium extruded profile of the ceiling and ground rails of the SV1020 complete sliding glass system which is fitted with three or a maximum of four guide tracks elegantly match the TP400 frame. On opening or closing the first sliding panel, the other sliding panels are automatically opened and closed by integrated followers. The floor-mounted construction means that the complete width of the TP400 frame can be managed without additional supports. The lower ball-bearing mounted carriages ensure optimum and smooth running of the individual sliding panels. The height compensation of the top track of up to 20 mm and the height adjustment of the rollers of up to 5 mm, enable the sliding system to compensate for surface irregularities and allows for quick and easy assembly. STOBAG SV1020 under licence from Sunflex Aluminiumsysteme GmbH.

SB4700 System base
The support connection can be made on the SB4700 system base. The system base is a frameless construction that, with dimensions of 3500 x 3500 mm, is supported by only 4 supports. The extruded, surrounding aluminium frame profile (height: 160 mm) encompasses the aluminium or wooden boards on a substructure (aluminium extruded profile). Using specific connection fittings, the supports can optionally be installed in a corner or on a straight sliding surface on the frame profile. Drainage through the support base cannot be implemented with the system base. The power supply through the supports is only possible when positioned in a corner and cannot be combined with drainage. The ground rails of the SV1020 complete sliding glass panel system can only be fitted on the straight sliding surface of the frame profile.