# Front-mounted awning protect

HELLA side seam guided front-mounted awning

with square box, 85 mm

Side seam-guided, front-mounted awnings made by HELLA, Front-mounted awning protect or products with at least equivalent technical features are used.

|  |  |
| --- | --- |
| Make offered |  |
| Type offered: |  |

The fabrics of the textile front-mounted protect awnings are equipped with zips on the sides, which are guided in special inserts in guide rails. This guidance makes these shades particularly suitable for areas with higher winds.

Box

Box 85 square design

Box in 2 parts:

* Box top board and inspection cover made of extruded aluminium.
* Removable inspection cover.
* Dimensions: 85x85 mm
* The box is attached to the guide rails by means of galvanised steel head pieces; the powder-coated aluminium side panel is flush with the outer edge of the guide rail on the head piece.

Roller tube

Roller tube made of extruded aluminium ø52 mm;

Both ends of the roller tube are equipped with adapters made of plastic with which a tapering of the roller tube is achieved. Herewith it is possible to correct the thicker ends of the rolled up zip fastener. An inspection is possible via a spring-loaded telescopic roller cap.

Guide rail

This consists of an outer and inner guidance. The outer 2-part guide rail is made of extruded aluminium with the dimension 32x49 mm. The inner guide consists of a black co-extruded plastic profile with continuous buffer lips made of TPE foam which act as a spring-loaded damper and absorb wind gusts. The zip which is provided at the cover, is inserted into this plastic profile and kept sliding. The lower end caps of the guide rails are made of powder-coated aluminium sheet steel and can be used up to a diagonal guide rail cut of 5°. Installation of the guide rail directly to the window frame or laterally. Optionally, an installation with spacers up to a distance of max. 150 mm is possible with fixed spacers.

Note: Guide rail 44x49 mm with crank drive

Front rail

The front rail made of extruded aluminium, dimension 30x31 mm, with pushed-in weighting steel, is laterally guided in the guide rails with plastic gliders.

Drive system

Tubular motor with 230 V operating voltage with blockage detection in up/down direction to protect the fabric, 50 Hz, type of enclosure IP 44. Capacity (W) matched to the size of the unit. Noise emission level <=70dB(A) according to EN ISO 12100-2:2003. Built into the primary shaft, with torque switch-off for the upper end position.

A programming cable is required to adjust the end positions. Thermo protective switch to prevent overheating. As a standard with 3 m cable without Hirschmann connector. At a surcharge 0.5 m cable with Hirschmann connector (STAS 3 with circlip, wired at the motor) and cable socket (STAK 3) for on-site connection. Optionally available with integrated radio receiver.

Optional: Crank handle drive with diagonal or horizontal crank handle exit on the inside

Cover

PVC-coated glass fibre fabric, flame-retardant according to DIN 4102-1 B1, with high transparency and opacity. Fabric weight of at least 525g/m². Laterally with a full-length welded-on zip fastener on the side Design selection according to the HELLA collection. Alternative fabric types available in the optional extras.

Surface coating

Powder-coated aluminium parts in the standard colours without surcharge. Special colours according to the brochure “HELLA Colour worlds” for a surcharge.

Mounting material

All screwed connections, fixings, and connections are made of stainless steel A2.

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| Unit: Quantity |  |  |  |
|  | Quantity: ..............pcs. | UP: .............. | TP .............. |

Optional additional equipment for HELLA front-mounted protect awnings, box 85 mm:

(Please select and tick as appropriate)

Motor drive with integrated radio receiver

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| --- | --- |
| Tubular motor drive with 230V operating voltage, 50 Hz, type of enclosure IP 44. Capacity (W) matched to the size of the unit. Noise emission level <= 70dB(A) according to EN ISO 12100-2:2003. Installed in the drive shaft with integrated limit switches for the upper and lower end position. Thermo protective switch to prevent overheating. As a standard with 3 m cable without Hirschmann connector At a surcharge 0.5 m cable with Hirschmann connector (STAS 3 with circlip, wired at the motor) and cable socket (STAK 3) for on-site connection. | [ ] |

Crank handle

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| Optionally with crank drive, horizontal or inclined output possible. Including spherical bearing and crank rod, also removable with funnel or eyelet | [ ] |

Fabric glass fibre PVC coated

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| PVC-coated glass fibre fabric, high resistance to tearing, flame resistant, dirt repelling, with high light and thermal protection. Fabric weight of at least 600g/m². Design selection according to the HELLA collection. | [ ] |

Fabric polyester PVC-coated

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| PVC-coated polyester fabric, high resistance to tearing, flame resistant, dirt repelling, with high light and thermal protection. Fabric weight of at least 320g/m². Design selection according to the HELLA collection. | [ ] |

Fabric polyester, PVC-free screen

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| PVC-free with high light and thermal protection. Fabric weight of at least 220g/m². Design selection according to the HELLA collection. | [ ] |

Blackout fabric

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| Polyester fabric or glass fibre fabric PVC coated with darkening layer. Fabric weight of at least 650g/m². Design selection according to the HELLA collection. | [ ] |

Acrylic fabric

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| 100% branded acrylic fabric, light and weather-resistant, dirt and oil repelling, water repelling as well as resistant to tearing and rotting. Fabric weight of at least 280g/m². Design choice according to HELLA collection (for side seam systems only possible as UNI colours). | [ ] |

Polyester

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| --- | --- |
| 100% branded polyester fabric, light and weather-resistant, dirt and oil repelling, water repelling as well as resistant to tearing and rotting. Fabric weight of at least 280g/m². Taped seams as standard. Design choice according to HELLA collection (for side seam systems only possible as UNI colours). | [ ] |

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| Unit: Quantity |  |  |  |
|  | Quantity: ..............pcs. | UP: .............. | TP .............. |