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NEW DOMINO SELF-REPAIRING FAST ROLL-UP DOOR

CAMPISA manufactures roll-up and folding-up rapid doors since 1995, and has a market reputation for quality and absence of maintenance needs. To respond to the increasing requests of the market, and especially for Commercial Stores, a NEW DOMINO ROLL-UP DOOR has been conceived, with ultimate features.



TECHNICAL FEATURES

Dimensions:

the door had been designed to have maximum dimensions of 4 m of width and 4,5 m of height and its main features are the **self-repairability** and the **absence of the safety rib**.

Self-repairing:

the rapid-up door is self-repairing. In case of collision against the door the coat gets out from the upright frames together with its patented horizontal elastic reinforcement bars, and next "open" command shall bear the coat to return into the uprights by simple gravity. In case of violent impacts (to be avoided by the known safety systems) the human intervention may be needed.

Quick, light and secure, but very strong:

the average opening and closing speed is of 1 m/s. The special coat of new concept, included the elastic retention bars, may cause a chock of only 40 N in average against the possible obstacle, further distributed by the bottom soft edge. This modest

force, quite inferior to the maximum allowed impact of 400 N allowed by the European Standard EN 12453, does not constitute a risk to be protected by a safety rib, that is the cause of most damages to the doors.

Structure:

composed by an horizontal roll-up drum wide diameter, rotating on roll bearings, that grants silent operation and lack of rattling. The 0,5 KW 400 V three phased motor gear may be applied both sides. The IP 54 protected motor gear also contains the programmable logic print card. The motor gear-logic card is a whole complex that does not require separate installations. IP65 command box with emergency stop button, that can be fixed on the wall or on the side frame.

Additional optional frame:

- self-bearing fame may be supplied in case of installation on inconsistent walls.



Coat:

formed by 820 mm tall horizontal strips of PVC covered polyester fabric class 2 stickled one on top of the other by Velcro, containing the patented ant-wind and self-repairing system, in the following colors: blue similRAL 5010, yellow similRAL 1003, red similRal 3002, green similRAL 6026, white similRal 9016, grey similRal 7040. The bottom sector contains the soft edge rim.

Installation:

the NEW DOMINO may be installed in three different types:

Type 1 outside opening traverse - inside opening guide (ref. draw. IR000475/1);

Type 2 fully outside opening (ref.draw.IR000475/2);

Type 3 fully outside opening combined with OH sectional door (ref. draw. IR000475/3).

Sufficient wall consistence in order to keep the weight of the door and the expansion bolts is required for the installation **Type 1**. The side upright frames have plan view dimension of only 100 by 100 mm, reducing by only 200 mm the opening width. Uprights to be installed directly on the walls or outside the opening, by "L" brackets. In case of fully outside opening installation the self-repairing of the coat, both directions, is granted by a frame.

Through-sight:

the standard basic form includes one transparent section, from about 1350 mm to about 2100 mm from ground.



The New Domino

Wind keeping:

the ant-wind patented system has ant-wind reinforcements about every 800 mm. The wind resistance before self-detachment of the coat lowers with the surface dimension and is very high, in excess of 60 km/h for middle sized doors. Wind retention on sides and top is granted by brushes.

Emergency opening:

in case of lack of feeding, the coat may be lift by hand crank situated at eye height. The coat may also be lift by hands due to its lightness.

Safety systems:

two photocells (one each side) are suggested to be applied at a distance of no less than 200-300 mm from the coat. All security devices mentioned in the disclaimer may be installed. The safety rib, main cause of damages from collisions, is not necessary. It is suggested to set the automatic closing of the door at 3 seconds: the door shall close after three seconds from clearing the photocells from transits.

Opening commands:

standard IP 65 command box with emergency stop button. All optional commands may be installed: radio command, magnetic loop, radar, pull chain, button commands, badge readers, photocells.

Horizontal drum reservation:

the horizontal drum requires only 390 mm in height.



The mass descending on possible obstacles is so insignificant that there is no need of safety rib.