

Press release

"Soft Touch": High speed roll-up doors ensure unique personal and collision protection

EFAFLEX expands the size range of its patented Soft Touch series

Collision-resistant, reliable, low-maintenance and now also in "XXL" models: with the new Soft Touch S high speed roll-up door, EFAFLEX specialist for high speed industrial doors, has expanded the size range of its existing Soft Touch system to 4,500 mm wide and 5,000 mm high.

The new EFA-SRT® Soft Touch S is an internal door which was specifically designed for industrial use. Like the existing EFA-SRT® Soft Touch, the new door in the range demonstrates extraordinarily high operational reliability and offers space-saving construction. Like all the doors in this range, it includes the newly designed collision protection functionality; therefore should the door curtain come into contact with an obstacle, or a perhaps a person, the resilient and flexible bottom edge can deform easily in all directions.

Where deviation of the curtain exceeds a predefined path the 'snap' connections on both sides of the door seal automatically release allowing the door curtain to separate from the side guides. Sensors report the status as "crash" to the controls, whereupon the door movement is immediately stopped, the door curtain then automatically opens to the fully open position. Reinstatement of the curtain is carried out simply by lowering the door using the control panel to the closed position, where the automated relocation of the 'snap' connectors occurs. Thanks to the easily deformable bottom edge, no safety contact bar is required.

In order to significantly increase the size it was necessary for the SRT with Soft Touch to be equipped with two separate spring systems, which counterbalance the weight and tension of the door curtain, included as standard. Advantage: the necessary tension for the flexible bottom seal can now be set individually according to the load and size.

In addition, the modified construction allows for higher door speeds, with up to 2.0 m/s for opening and up to 1.0 m/s for closing according to EFAFLEX.

Since the changes specified here also provide benefits for smaller door sizes, the manufacturer has decided to offer its customers these new developments for the "L" size range of the existing Soft Touch door as well. The standard door curtain is made from 0.8 mm thick fabric reinforced polyester, available with or without a window. In addition, the existing curtain variants, such as transparent soft PVC with warning stripes and a laterally stiffened special polyester material, again available with or without a window are. The standard "EFA-CON" controls are mounted to the motor side of the frame during manufacturing and are pre-wired ready for connection. However, it is still possible to locate the control cabinet separately to the door if required

The patented EFA Soft Touch system makes the high speed roll-up doors in this range unique all-rounders: Soft Touch functions both in collisions with other moving obstacles or people, regardless of whether the door is opening or closing, regardless of the height and regardless of the direction. The door curtain yields in a controlled manner, while at the same time protecting against draughts and pressure differences with its stable form. The innovative technology in every detail combines high operating speeds, door curtain tension, weight balancing, collision and crash detection into one long lasting, functional complete door system. The result: outstanding personal safety and highly effective protection against damage to the door.



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