



Reliable force even under maximum load

EA-L 100-180 - Linear actuator for heavy weights



EA-L 100-180 - Linear actuator

The smoke and heat exhaust actuators of the category „spindle actuators“ are known for their various application range and highest stress possibility. With the EA-L 100-180 there is now a linear actuator which is developed for heavy loads up to 1800 N. The compact housing (diameter 52 mm) of the actuator has a steadiness which allows stroke lengths up to 1000 mm. Together with DomeLift® this actuator is tested according EN 12101-2 with more than 11.000 load alternations and fire test over 30 min. at 300 °C.

Application range

The EA-L 100-180 for heavy loads is distinguished for a various range of applications in smoke and heat exhaust and daily ventilation. Increasingly heavy windows, because of multiple glass, bigger dimensions and higher snow loads need an actuator technology which provides a reliable use. There is integrated tandem port which is already included for the standard actuator. It allows to connect up to for actuators with a safety cut-off in case of an overload at heavy windows.

Proven actuator technology with a powerful performance

The linear actuator includes latest cut-off technology which is proven already in other type of actuators of Simon RWA®. The electrical cut-off is set in an external housing and has additional adjustment options. The maximum force of the actuator can easily be adjusted from 1000 N up to 1800 N. This will also change the maximum needed current. It will meet completely your need of necessary force on site.



The bracket set clamping ring K-L-100-KLR-MB will be mounted flexible at the motor tube. Article no.: K2 1585



The EA-L 100-180 includes an external cut-off with additional setting options for force and current.

Technical Data

Nominal voltage	24 V DC
Nominal current	0,4 up to 4,0 A
Stroke length	500, 600, 750 a. 1000 mm
Force	1000 up to 1800 N
Cut-Off	Intelligent load cut-off with tandem port included
Running speed	12,5 mm/s
Opening time	< 60s (at 750 mm stroke)
Protection class	IP 54
Switch on duration	ED 50 %
Operating temp.	0 up to + 75 °C
Weight	approx. 6,6 kg
Stability	300 °C for 30 min.
Dimensions	Stroke + 416 / Ø 52 mm
Housing	coated in RAL 9006

Article versions

M2 1756 T	EA-L-100-180/500-T
M2 1757 T	EA-L-100-180/600-T
M2 1758 T	EA-L-100-180/750-T
M2 1759 T	EA-L-100-180/1000-T



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