



M-Line AD
Automatic Sliding Door

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Airdrive68NG

68mm*135mm - the tiniest powerful operator available in the world market

In spite of owning a 100W motor and handling a weight of 135kg for each leaf, this fabulous operator has an absolutely low operator height and unbelievably low depth.



LIKE THE HUMMING BIRD,

the most miniature bird in the world who is renowned for being incredibly brisk and agile yet silky smooth, our Airdrive series brings you exquisiteness combined with strength and soft performance.

Standard	Airdrive68NG
Compliant with German standard DIN 18650	✓
Compliant with EU standard EN 16005	✓
Compliant with EU standard EN 60335	✓
Compliant with EU standard EN ISO 13849-1	✓
Compliant with EU low voltage directives	✓

Standard	Airdrive68NG
Compliant with EU EMC directives	✓
Manufactured according to ISO 9001	✓
CE conformity	✓
Tested for 1million cycles	✓

Technical Detail Airdrive68NG

Opening width - single panel	800 - 2000 mm
Opening width - double panel	1000 - 3000 mm
Max leaf weight, single	1 x 150 Kg
Max leaf weight, double	2 x 135 Kg
Operator height	68 mm
Operator depth	135 mm
Opening speed	Variable up to 0.9 m/s (Double leaves)
Closing speed	Variable up to 0.9 m/s (Double leaves)
Hold-open time	0 - 30 s
Ambient temperature	-15 to + 50°C
Protection class	IP 20
Track profile	Stainless Steel
Anti-noise rubber profile	✓
External protected power supply	✓
Power supply unit	230V / 24V, 130VA
Gear motor power	100 W
Number of motors	1
Number of control units	1
Number of hangers per leaf	2
Dual gear motor and control unit set for master and slave concept	-
Max power consumption	250 W

Technical Detail Airdrive68NG

Max operation cycles with 2.2 Ah battery (Optional)	≈400
Option to adjust force limitation according to DIN18650 and EN16005	✓
Option to use safety sensors with testing signal	✓
Emergency exit routes in both directions	-
Mechanical key switch (Optional)	✓
24V DC output for external accessories	✓
Power Lock	✓
Electromechanical lock (Optional)	✓
Lock monitoring	✓
Digital programme switch (Optional)	✓
Read-out error memory with error codes (with digital programme switch)	✓
Programmable output (Optional)	✓
Programmable input (Optional)	✓
DMS (Optional)	✓

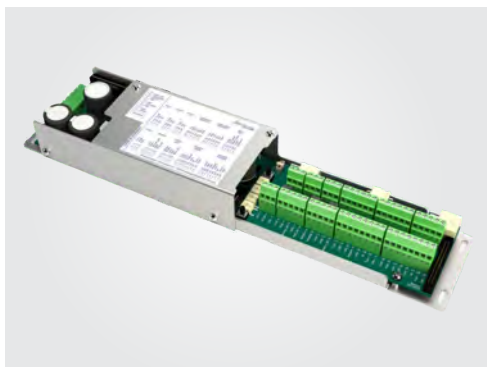
Frame Types

TBS	✓
UTS	✓
Saturn	✓
Frameless	✓

CONTROL UNIT

Meeting the following standards:

EN ISO 13849-1 | DIN 18650-2 | DIN 18650-1 | EN 16005 | EN 60335-1



DIN
18650

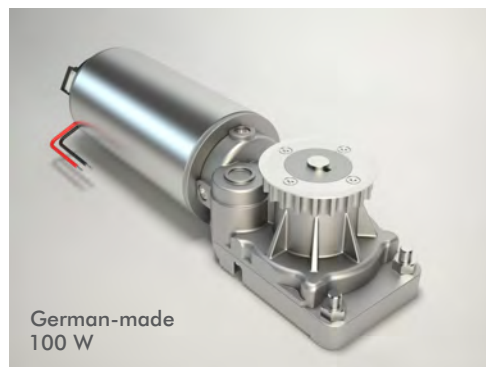
EN
16005

EN
60335

- Optional back-up battery in case of power-failure for non-escape models
- Optimised battery charging to maximize battery life
- Compatible with all commonly used sensors
- Adjustable and programmable by digital program switch
- Self-diagnosis and error detection.
- Standard RS 485 interface to connect accessories
- Ability to automatically adjust speed and slopes according to input voltage changes.
- Accepts up to a 20% fluctuation of 230V standard mains voltage
- Accepts up to a 20% fluctuation of 230V standard mains voltage
- Possibility of using more software and hardware options by using DEAP device.

GEAR MOTOR

Like its other state-of-the-art parts, Deuschtec Airdrive68NG motors are fully made in Germany. Their 100W motors are absolutely indestructible and are there to ensure reliable performance for a lifetime. Great efficiency and enhanced function are achieved through employing years of experience and the latest technologies in the process of our motors' design and production. These brushed DC motors are so quiet that while in action, you will hear nothing but a muffled sound .



TRACK PROFILE

Stainless Steel Track Profile |

Sustainable Timeless Presence

Deuschtec Airdrive68NG is synonymous with entry solutions that please your eyes and pamper your ears. Our Premium Quality Steel Profiles are fitted with anti-noise buffers for frictionless movement and combined with heavy-duty roller carriages to ensure you won't hear a sound for years and years. Unlike aluminium profiles used on many sliding doors, our steel profiles withstand the weight of the moving sliding doors effortlessly rather than inferior materials which corrode and eventually make irritating noises. Additionally we use German made premium quality circuit boards to guarantee a long trouble-free operating life.





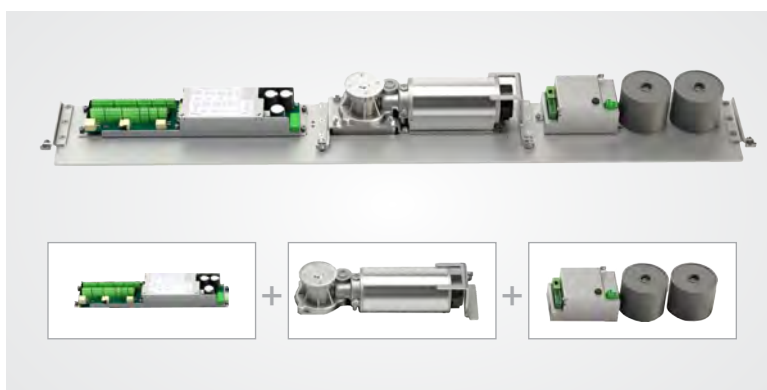
Airdrive68NG

| Automatic Sliding Door



PRE-ASSEMBLED MODULE

Pre-assembling the unit by factory-mounting most parts on the module make the installation and servicing of this stunning and innovative system amazingly quick and easy. The installer simply has to position the module with its all pre-assembled parts .

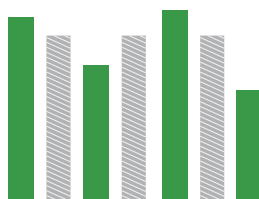


GREEN TECHNOLOGY

Less than 0.5 W usage in lock and full-open positions

This feature is unique to us and patented by Deuschtec GmbH has a considerable effect on energy consumption: when putting the door in fully-open or locked position, the sensors will turn off. Moreover, This feature is unique to us and patented by Deuschtec GmbH and has a considerable effect on energy consumption: when putting the door in fully-open or locked position, the sensors will turn off. Moreover, all energy consuming parts connected to the operator will shut down and the system energy usage will be limited to a very low current for charging and keeping the battery in optimum condition. By pressing any button on the digital key, changing the mechanical key status or turning the safety key outside the door, the system will immediately start up and function just as smoothly .

Overall the choice of premium quality components translates into a long product life and a sustainable GREEN entrance solution



Frames

TBS

When saving energy is of importance, TBS frame is an economical and inexpensive solution.



UTS

The frame is the non-thermal broken version of TBS and has all its advantages.



SATURN

Saturn is a reasonably-priced frame suitable for single-glazing and tempered glass.



FRAMELESS

An elegant aesthetically pleasing all-glass system-the perfect choice for modern architecture.



Accessories

Mechanical Key Switch

Offers five modes of operation: fully open, partial open, lock, automatic and one-way. Simple yet functional, this is another accessory which will definitely come in handy.



Digital Programme Switch

User-friendly has been given a whole new meaning with this digital programme switch's easy-to-read, full-text display. You will get easy access to all performance data and parameters and for any special need you might have, its adjustment and diagnostic processes can be accurately duplicated or customized. Protection password code is another significant feature of this digital programme switch. Such a terrific "optional" part should not be ignored!



Electromechanical Lock

Deuschtec Electromechanical lock has been a reliable way to safeguard your security at all times. It utilizes steel pins to lock both leaves simultaneously and therefore, is much safer than using the timing belt as lock or locking just one leaf. Furthermore, since it employs bi-stable mechanism, a system power reset does not affect the state of the lock. Due to using powerful batteries and an intelligent quality circuit, battery usage is reduced to zero when the door is locked and there is a power-cut



Battery

We are offering you doors which will not fail in the event of a power-cut. Deuschtec Airdrive batteries provide the system with a steady flow of energy. In the event of a power-cut, the 2.2 Ah battery will provide you with ≈ 400 opening or closing cycles. No matter what, these doors with their marvelous operating systems will not let you down





Designed • Developed • Made in Germany



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