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BLUE WEST
GmbH

BWW S/D

Automatic drive system for
swing doors

Access Solutions Consulting
& Sales Company

For impressive entrances
For high quality solutions
For many applications



AUTOMATIC SWING DOORS – BWW S/D



The **BWW S/D** is a universal drive system for the automation of swing doors. It is characterized by sophisticated technology, compact design and especially Blue West's legendary smoothness of operation. The focus on a broad range of applications makes it a full-fledged drive, suitable for widely differing requirements.

Entrance Systems

Universally applicable

Its universal qualities are mainly due to its electro-mechanical construction, and partly due to its modular design. When the door drive motor operates, it simultaneously tensions a spring integrated in the drive housing. The shutting movement uses energy stored in the spring, which, depending on requirements, is also motor-assisted.

Even without motor assistance, thanks to ingenious mechanics, optimum power deployment is achieved in the entire door swing area. This is necessary to move the door reliably to its end position against draft resistance, for example, and also complies with the norms and standards of current safety requirements. The Blue West BWW S/D is available to operate doors in sizes EN4 to EN6. The different spring forces required can be quickly and precisely adjusted on the spot using the special adjustment screw.

In detail, this model also provides many other sophisticated features, allowing pre-defined door types to be quickly and easily adapted to local and country-specific circumstances.



Features:

- DIN 18 650-compliant technology, approved worldwide.
- Approve
- Can be used as a hold-open system for fire protection barriers, with various fire-protection profile systems such as Jansen, Forster, Heroal and Schüco.
- Features gerontology technology for barrier-free access.

Variations:

- Double swing doors with or without master / slave operation.
- Power saving mode: adjustable opening of one or both door panels (stretcher opening).
- Integrated sequential closing control for double-leaf fire door applications.
- Interlock function for two single doors installed consecutively.
- Direction-oriented opening for oncoming traffic in corridors.
- Opening or closing without current.

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BWW S/D – the system with four orientations

FULL POWER



The STRONG one
very versatile

Key benefits:

- Universal, powerful, programmable
- Extensive functionality without additional modules
- Robust, reliable mechanics

Recommended use:

- Optimized for the use of large, heavy doors.
- Provides a high level of dynamism.



Compact and powerful

LOW ENERGY



The GENTLE one
with reduced motion energy.

Key benefits:

- Depending on location, little or no additional sensors required.
- Lowers the inhibition threshold, even in elderly people.
- Its gentle operation is convenient and inspires confidence.

Recommended use:

- Suitable for environments with people of limited or slow reactions.



Can be used without security or safety sensors.

INVERSE



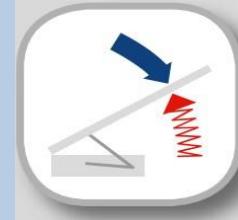
The SAFE one
opens without mains power.

Key benefits:

- No emergency power supply required
- Opens by spring force
- Door hinge is integrated into drive (no tripping hazard on the ground)

Recommended use:

- Opens to vent smoke from inside buildings in case of fire.
- Guides people in power failures.



Opens in power failures, enhances safety and guidance in emergencies

FIRE



The RELIABLE one
closes reliably in case of fire

Key benefits:

- Combines comfort with safety
- Can be used with various fire-protection profile systems

Recommended use:

- Acts as a fire and smoke barrier



Secure closure in case of fire.

The following is valid for all drive types:

- Identical design of available models.
- Technically unified, coherent approach.
- Proven peripherals, developed and produced in-house.
- Cross-platform operating system.

- Remarkably smooth in operation.
- Easy to maintain and reliable.
- Drive housing available in stainless steel or aluminium.
- Surface treatments available in a variety of designs and finishes.

Entrance Systems

BWW S/D – the right choice every time

The FULL POWER and LOW ENERGY versions demonstrate that the BWW S/D is the correct choice despite conflicting requirements. The strength of the FULL POWER version can move doors of several hundred kilos in weight, whereas the LOW ENERGY version, however, is limited to 1.6 joules of kinetic energy to enable it to operate safely without special sensors.

BWW S/D FULL POWER

The BWW S/D FULL POWER is the powerhouse in the family of record swing door operators. Its adjustable spring force gives it great versatility, and can be adjusted on the spot, enabling a range of door sizes from EN4 to EN6 to be used. This enhances its flexibility, enabling it to take additional customer-specific settings. Its sophisticated technology is under the auspices of the record control, enabling complex functions with optimum power deployment in the entire swing area.

Especially suitable for use in:

- Retail outlets
- Airports
- Administration and office buildings
- Restaurants and hotels



BWW S/D LOW ENERGY

The BWW S/D LOW ENERGY is the ideal drive for environments where people move only slowly and have limited reaction capacity, such as hospitals and nursing homes. Kinetic energy is limited to 1.6 joules, which means the safety of people in the swing area, even in the absence of additional security sensors, is not compromised.

Especially suitable for use in:

- Homes for the elderly and disabled.
- Hospitals, clinics and retirement homes.
- Private homes and apartments.

Special benefits:

- Thanks to its smooth, even movement, it lowers the inhibition threshold of slow reacting people.
- Additional security sensors can be dispensed with.
- Practically silent operation preserves the peace and quiet of living areas.



Entrance Systems

BWW S/D – escape route and fire protection applications

For escape route and fire protection applications, record has the INVERSE and FIRE versions. These are further variations of the BW BWW S/D electro-mechanical swing door operator, although look identical to them.

BWW S/D INVERSE

The BWW S/D INVERSE enables doors to open securely and reliably, even without a power supply. During the motor-driven closing cycle, the energy required for opening is mechanically stored using a spring. Should smoke start to fill the building, the independent smoke and heat venting system controls the drive, and the INVERSE opens reliably, even during power failures. The door can therefore be used to allow fresh air to circulate inside buildings, or to vent smoke and heat.

Especially suitable for use in:

- Escape route openings.
- Securing guide routes for persons.
- Venting smoke and heat.

Special benefits:

- The opening stop is integrated into the door drive system (no hazard for pedestrians to stumble over).
- No emergency power supply required to open the door.
- The electromagnetic parking brake means additional electrical opening devices on interior doors can be dispensed with.



BWW S/D FIRE

The BWW S/D FIRE is approved for use as a smoke and fire protection door. In case of fire, a signal from the smoke and heat detector or fire alarm system triggers immediate closing of the passage. Closing takes place by spring force. The SFR mechanical sequential control also enables double leaf fire doors to be used.

Especially suitable for use as:

- Fire and smoke protection barriers.

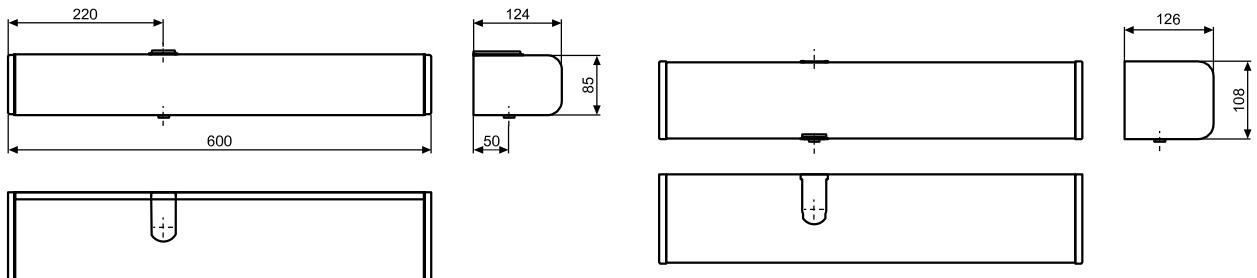
Special benefits:

- Compact design thanks to built-in fire protection components.
- Door system can be connected to on-site fire control.
- Own additional control to connect smoke and heat detector ports.
- Can be used with various fire protection profile systems.



Entrance Systems

BWW S/D – Technical specifications



Dimensions of the operator (H x W x L) 85 x 124 x 600 mm or 110 x 126 x 600 mm)

Door closer size EN4 – EN6 for standard arm and slide arm

Opening time / closing time 3 – 20 s / 5 – 20 s

Opening angle 70 – 115° (INVERSE up to 95°)

Electrical power supply 230 V AC, 50 / 60 Hz

Rated power 67 W

Consumption in standby mode 13 W

Operating modes with internal BDI operating switch

Automatic operation

Continuously open

Manual operation

Operating modes with BDE-D control panel with display (optional)

In addition to the standard modes

Locked

One-way traffic

Operation lock

Functions

Automatic reverse

Touch control (push and go)

Emergency stop, interlock control or 2-leaf doors

Customer-specific door parameters

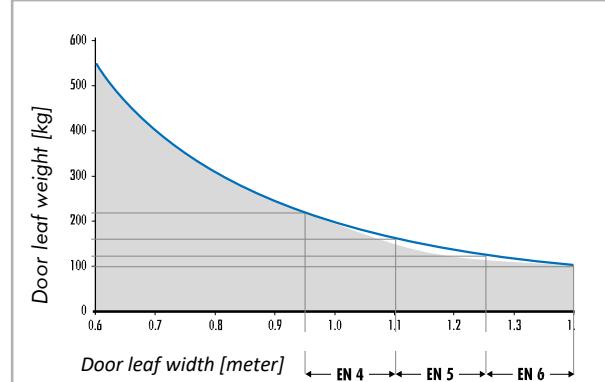
Options

Electro-magnetic brake

Integrated mechanical sequential control SFR 127

Special control option: «barrier-free WC access»

Hold-open system for fire and smoke protection doors



Recommended door leaf width for
door closer dimensions according

Entrance Systems

BWW S/D – Technical specifications

Installation variants



Lintel installation
(1-leaf door)
Standard bars, DIN left or right, pushing; drive variant for pushing sliding bars available.



Lintel installation
(1-leaf door)
Slide arm DIN left or right pulling.



Lintel installation
(2-leaf door, master / slave operation)
Two electrically coupled drives with standard arm pushing or slide arm pulling.



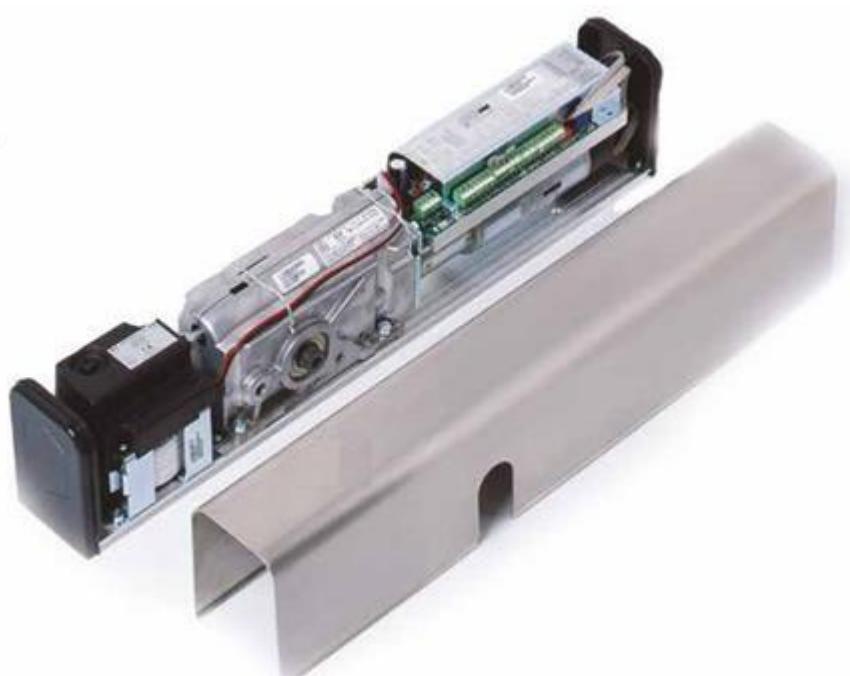
Lintel installation
(2-leaf door with two- way traffic)
Alternating operation of two drives that are independent of each other.



Door leaf installation
(1-leaf door)
Arm and possible combinations such as lintel installations.



Interlock operation
(2 x 1-leaf doors standing one after the other)
Two electrically interconnected drives in all arm variants.



Thank you for your attention