

ECO ETS Electromotive drive



■ SYSTEM TECHNOLOGY FOR THE DOOR

1. Force - up to 250 kg / EN 7 (up to 400 kg / EN 4)

The ECO ETS has a strong power unit that safely opens and closes door leafs up to 250 kg in weight and up to 1.600 mm in width (EN 7)

This provides secure automation for external doors that may experience strong wind loads as well as heavy fire protection doors

With its integrated, high-performance switching power supply (24 V, 2 A output power) several external operating and safety elements, and even motorised locks, can be supplied. This way external power supplies can be omitted in many applications.

In addition to these parameters, the ETS, with its new electromotive power unit, is extremely quiet and has a well engineered, harmonious movement. It is these properties that make the ETS such an all-rounder for public buildings, hospitals, elderly homes and clinics.

2. Model with slide rail on hinge side and hinge-opposite side / also fire protection!

The ETS can be combined as follows:

Lintel installation with standard arm, hinge-opposite side push

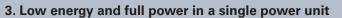
Lintel installation with slide rail, hinge-opposite side push

Lintel installation with slide rail, hinge side pull

All mounting options are available in both standard and fire protection variations.

This gives planners and architects a comprehensive range of design options with sliding rails for all assembly applications, whether that is hinge side or hinge-opposite side, T0 or fire or smoke protection!

For door manufacturers it also opens up new possibilities for the production of fire or smoke protection doors.

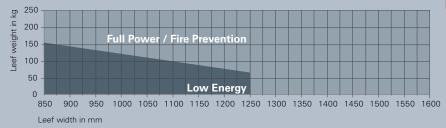


The ETS can be set for two functions on site with one and the same drive. An additional upgrade card is not necessary.

Low energy and full power

The Full Power setting enables automation in heavy, highly frequented public doors, for example, with quick movement sequences. To do this, a surveillance of the movement area with safety sensors is necessary.

The Low Energy setting is specially developed for private households or office and work areas with limited public frequency. Safety sensors can be dispensed with here, there are limitations, however, on door weights and movement speed.







4. Fire and smoke protection / Inverse function / Interlock function

The ETS model ETS 64-R is approved as a hold-open device for fire and smoke protection doors. In combination with a lintel switch it triggers the fire protection closer in the case of an alarm (smoke activated) or power failure.

The inverse function has been specially developed for smoke extraction from buildings. The fire/smoke protection function is reversed here when the alarm is triggered, which means that the door is opened by spring force to enable a smoke extraction. This is also ensured with a power cut, so an emergency power supply is not necessary. This inverse function has already been pre-installed at ETS and is consequently also adjustable on site.

The interlock function regulates the complex automation sequences of double doors in safety areas (controlled and directional flow control).

5. Wind load compensation

The wind load control is there to adapt the smooth operation of outer doors to different air pressure conditions (to wind force 9, for example (or 320 Pa) / with a door size of 900 \times 2,400 mm). A briefly occurring increased wind load (e.g. a strong gust) is recognised by the drive. The control now calculates the additional motor performance for amplifying or retarding the drive, so the door can operate in a virtually unimpeded way.

The strength of the wind load depends on the size of the door and the type of arm deployed. For doors that open outwards in areas with regularly increased wind loads (in coastal areas for example) the normal arm (pushing on the opposite hinge side) should be used as far as possible.

| 2800 - | | | | | | | | | |
|--------|--------------|-------------|------|-----------------|------|------|------|---------|---|
| 2700 - | \mathbf{X} | | | | | | | | |
| 2600 - | | | | | | | | <u></u> | |
| | | | | | | | | | |
| 2500 - | | | | | | | | | |
| 2400 - | * | | | | 8 | | 3 | | |
| 2300 - | - š | | | °, | 0 | | 5 : | 2 | |
| 2200 - | 3 | | | 3 | | 3 | 33 | 2 | |
| 2100 - | 320 | 12 | | 8 | | 125 | 12 | 8 | |
| | 80 mm (200 | 10 kmm (2m- | | ed tell wurd Co | | le c | 0 | 100 (B) | |
| 2000 - | 1 | | | | _ | | | | |
| 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 160 | |
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6. Simple assembly and service

The ETS has a simple, user-friendly setting function for all parameters. This is provided by the display panel with joystick function on the control board. A menu style checklist makes it easy to configure the initial operation on site. All parameters can also be configured at a later date or to suit any new operational requirements (password protected) with no need for an external control module or laptop.

This makes the ETS particularly interesting for assembly and service companies, who do not want to have to use a specific external programming device or special software for every type of drive.











| | Performance c | riteria | ETS 73 | ETS 64-R | 120 |
|---|--|---|-----------------------|--------------------------------------|--|
| | Closing force (continuously adjustable | Size acc. to EN e) | 3 – 7 | 3 – 6 | 689 |
| | Door width acc. to EN | Interior doors ≤ 1.600 mm | • | | |
| | | Fire protection doors \leq 1.400 mm | | • | |
| | Dimensions (incl. mounting plate) | Length in mm Depth in mm Height in mm | 690 120 95 | 690 120 95 | 623 38,5 Dimensions: ETS with slide rail |
| | Ambient tempera | iture | -15 to - | +50° C | Dimensions, ETS with side fail |
| | Relative humidity | | max. | 85% | * In the case of rebated doors please use the long pins (included in delivery) |
| | Power consumpti | ion | max. 560 W (| standby 4 W) | |
| | DIN left / right | | • | • | -120 |
| | Opening speed a | djustable | max. | 40°/s | 689 |
| | Closing speed adjustable with mains of fixed if there is a power | | max. | 40°/s | Se Contraction of the second s |
| | Hold-open time a | djustable | 0 - (| 50s | 00000 |
| | Max. door openin | ig angle | 10 | 5° | |
| | Tested acc. to EN | | DIN 18650 En 16005 | DIN 18263-4 DIN 18650 EN 16005 | Dimensions: ETS with standard arm |
| | Suitable for fire- a | and smoke control doors | - | F (DIBt) | |
| | Certified accordin | g to EU-Directive | C | E | |
| YesNoOption | Wooden door | Steel Prot door door | file frame r | | |

ECO ETS • Harmonious door movement - motor-powered opening - controlled closing

The new ETS from ECO is a powerful, low-noise, electromotive drive for heavy internal and external doors up to 400 kg (250 kg with fire/smoke protection doors). Equally suitable for new facilities and modernisations.

Models and functions:

- Slide rails pushing (opposite hinge side) and pulling (hinge side)
- Normal arm pushing (opposite hinge side)
- 1 and 2-door structures with continuous cover
- Integrated, concealed door control for fire/smoke protection doors (in the universal cladding)
- Integrated, concealed smoke sensor (integrated in the covering hood, can be retrofitted (DIBt, EN 54-7))
- Adjustable spring closing pressure (when cut off from the electricity mains)
- Easy operation with illuminated program selection keys in the side cover (automatic, always on, manual, exit and night)
- The main switch separating all poles is integrated in the side cover
- Push + Go function, easy responsiveness
- Adjustable starting power and closing power amplification (for pressing shut into the lock)
- Adjustable start delay (motorised lock, closing sequence)
- Plug + Play, setup of functions with LCD display
- Low Energy operation without safety sensor technology
- Very low standby consumption (4 Watts)
- Connectable wind load compensation, max. wind speed 80 km/h (320 Pa)
- Connectable acoustic signal of opening and/or closing movement



DIN 18263-4 DIN 18650 EN 16005 F CE



Double-leaf revolving door Type ECO ETS 64-R IRM-SRI (GSZ) (with integrated door control and integrated smoke sensor)

ECO ETS 73 / ETS 64-R • Product description

Single-leaf drives (without arms)



ETS

| Single-leaf drives | Colour | Article number |
|--------------------|-----------------|-----------------|
| ETS 73 | Stainless steel | 338501548010000 |
| ETS 64-R | Stainless steel | 358501548021000 |
| ETS 64-R (GSD) | Stainless steel | 358501548023000 |
| ETS 64-R IRM | Stainless steel | On request |
| ETS 64-R IRM (GSD) | Stainless steel | On request |

Arm variations for ETS



| GS-ETS 620* | Stainless steel | 358501547120010 |
|--------------------------------|-------------------------------|-----------------|
| GS-ETS 830** | Stainless steel | 338501547120020 |
| * Mauntine CC7 as CCD (up to) | 20 mana lintal danth (fire no | (to at a m |

Mounting GSZ or GSD (up to 30 mm lintel depth / fire protection)
** Mounting GSZ, GSD or on door leaf (up to 200 mm lintel depth / no fire protection)

Double-leaf drives (complete sets)

| Double-leaf drives | Colour | Article number |
|------------------------|-----------------|-----------------|
| ETS 64-R IRM-SRI (NG) | Stainless steel | 308501450548037 |
| ETS 64-R IRM-SRI (GSD) | Stainless steel | 308501450548039 |
| ETS 64-R IRM-SRI (GSZ) | Stainless steel | 308501450548050 |
| | | |

Please order any safety elements to provide additional protection at contact points and closing edges at the same time. Sensor bars or FlatScan in compliance with DIN 18650 and

EN 16005! Please order any accessories, such as ceiling smoke sensors, sensor bars and control devices, separately (from page 14 onwards).

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| Normal arms for ETS (up to 250 mm lintel depth) | Colour | Article number | | | | |
|--|-----------------|-----------------|--|--|--|--|
| NG-ETS 250* | Stainless steel | 358501547110020 | | | | |
| NG-ETS 400** | Stainless steel | 358500547190010 | | | | |
| * For listed double we to 250 perce (first protoction) | | | | | | |

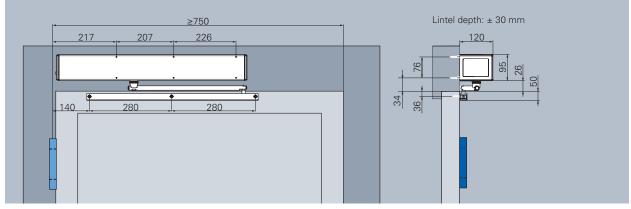
* For lintel depth up to 250 mm (fire protection) ** For lintel depth up to 400 mm (no fire protection)

Complete set consisting of:

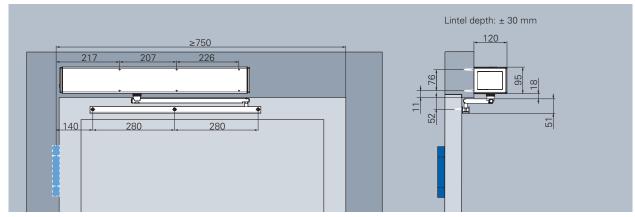
- 1 ETS 64-R IRM (inactive leaf, DIN left = DIN right)
- 1 ETS 64-R (moving leaf)
- Assembly set SRI (DIN left = DIN right)
- Medium cladding set
- 2 mounting plates
- 2 arms
- CAN cable
- HAT 02
- NG = Version for normal arms pushing (head mounting on opposite hinge side)
- GSD = Version for slide rails pushing (head mounting on opposite hinge side)
- GSZ = Version for slide rails pulling (normal mounting on opposite hinge side)
- IRM = Integrated smoke sensor
- SRI = Integrated door control



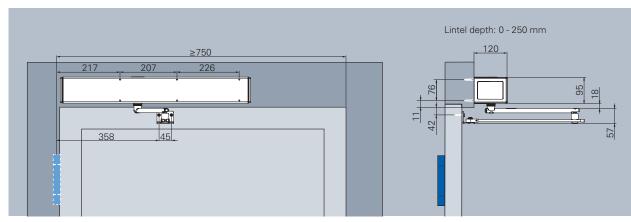
Installation drawing ETS 73 single leaf



ETS 73 Head mounting hinge side with slide rail (pull) With KS-13 axle pin and long sliding bolt (included in the delivery)



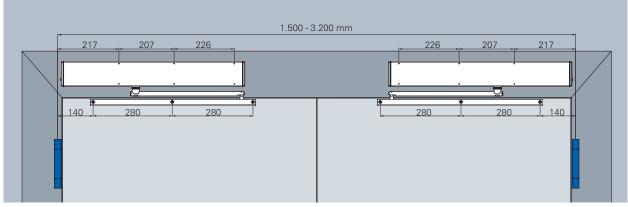
ETS 73 Head mounting hinge-opposite side with slide rail (push) With standard axle pin and short sliding bolt.



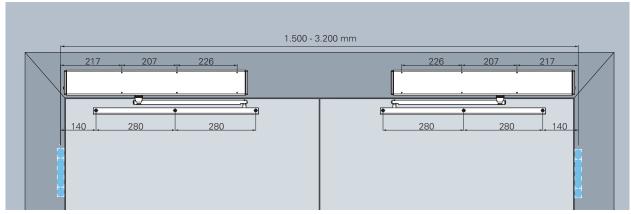
ETS 73 Head mounting hinge-opposite side with standard arm (push) With standard axle pin.



Installation drawing ETS 73 double leaf

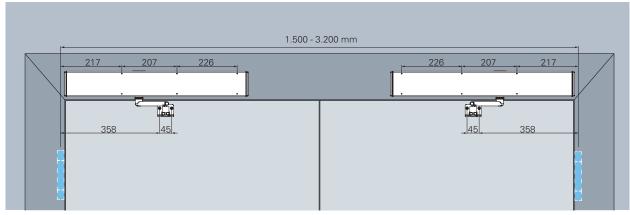


ETS 73 Head mounting hinge side with slide rail (pull) With KS-13 axle pin and long sliding bolt (included in the delivery)



ETS 73 Head mounting hinge-opposite side with slide rail (push)

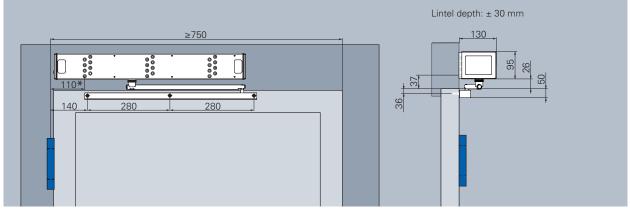
With standard axle pin and short sliding bolt.



ETS 73 Head mounting hinge-opposite side with standard arm (push) With standard axle pin.



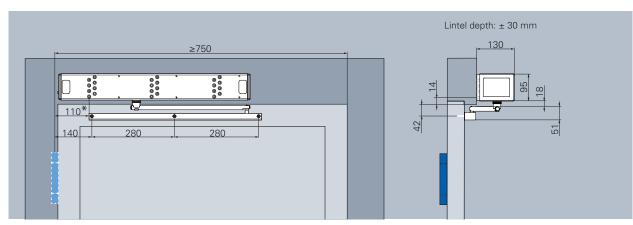
Installation drawing ETS 64-R single leaf



ETS 64-R - Single leaf head mounting hinge side with slide rail (pull) and mounting plate

With KS-13 axle pin and long sliding bolt.

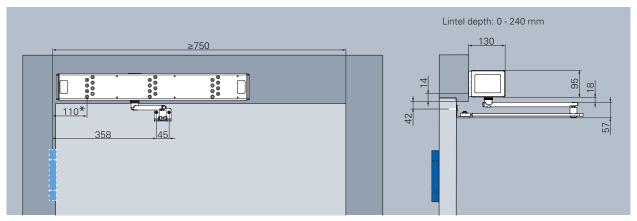
*Reference dimension - all further holes must be drilled according to the specifications of the door or profile manufacturer.





With standard axle pin and short sliding bolt.

*Reference dimension - all further holes must be drilled according to the specifications of the door or profile manufacturer.

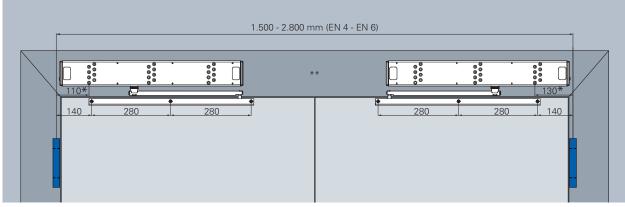


ETS 64-R – Single leaf head mounting hinge-opposite side with slide rail (push) and mounting plate With standard axle pin.

*Reference dimension - all further holes must be drilled according to the specifications of the door or profile manufacturer.



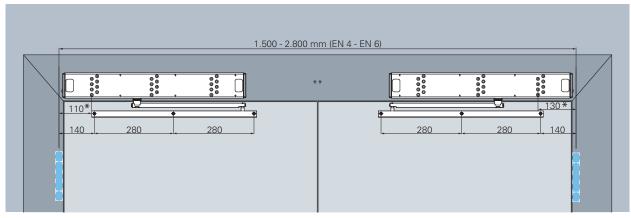
Installation drawing ETS 64-R double leaf



ETS 64-R – Double leaf head mounting hinge-opposite side with slide rail (pull) and mounting plate

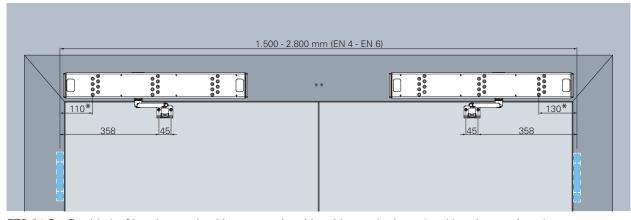
*Reference dimension - all further holes must be drilled according to the specifications of the door or profile manufacturer. For rebated doors please use the long pins (included in delivery). All information in brackets can vary according to the clamp (clamp -13 or clamp +20)

** Optionally available with integrated door control and medium cladding.



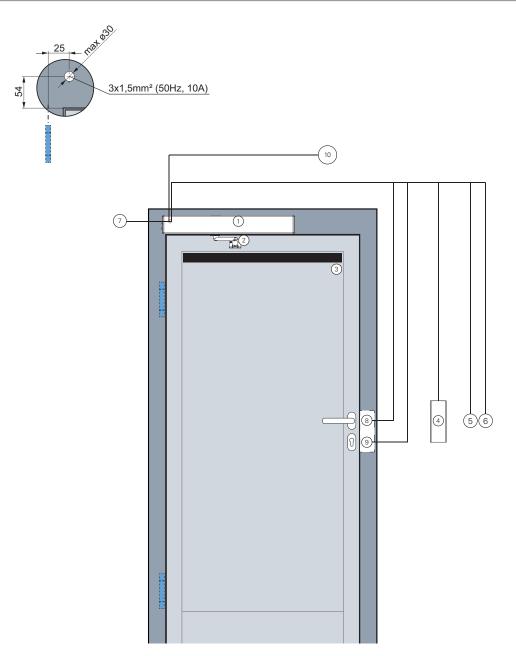
ETS 64-R – Double leaf head mounting hinge-opposite side with slide rail (push) and mounting plate *Reference dimension - all further holes must be drilled according to the specifications of the door or profile manufacturer.

** Optionally available with integrated door control and medium cladding.

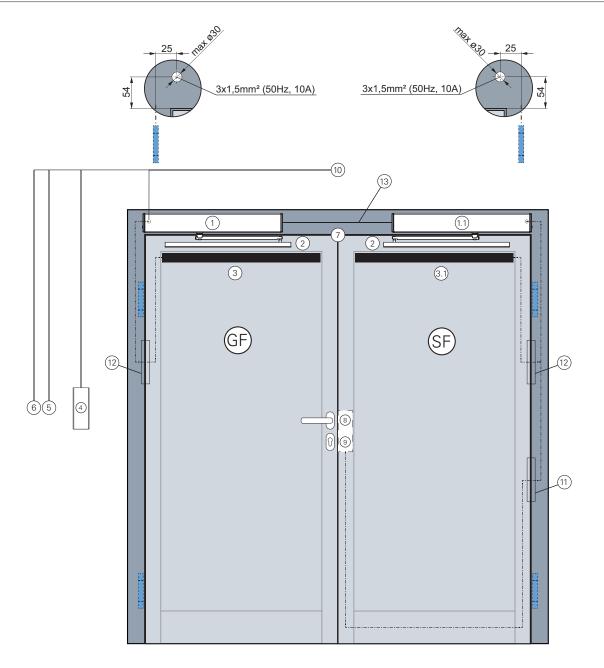


ETS 64-R – Double leaf head mounting hinge-opposite side with standard arm (push) and mounting plate *Reference dimension - all further holes must be drilled according to the specifications of the door or profile manufacturer. For rebated doors please use the long pins (included in delivery). All information in brackets can vary according to the clamp (clamp -13 or clamp +20)

** Optionally available with integrated door control and medium cladding.



| Pos. | Drawing | Cable | Comment |
|------|---|--|--|
| 1 | ECO ETS 73 | | Mounting hinge side or hinge-opposite side |
| 2 | Normal arm or slide rail (push) | | Mounting on door leaf hinge side or hinge-opposite side |
| 3 | Sensor strip set for hinge or hinge-opposite side with stop or reverse function | supplied by ECO | For internal cabling the cable is installed in advance, other- wise the cable is installed externally with cable transition (black). |
| 4 | Large button internal | 4 x 0,6 mm ² oder 4 x 0,8 mm ² | Concealed socket, cable installed in advance |
| 4.1. | Large button external | 4 x 0,6 mm² oder 4 x 0,8 mm² | Concealed socket, cable installed in advance |
| 5 | Emergency button "Door Closed" (optional) | 4 x 0,8 mm ² | Concealed socket, cable installed in advance |
| 6 | Bedix switchpoint | 4 x 0,8 mm ² | Concealed socket, cable installed in advance |
| 7 | Power cable 230V | 3 x 1,5 mm ² | 50 Hz, 10 A |
| 8 | E-opener 24V | 4 x 0,6 oder 0,8 mm ² | Cable installation in advance inside the frame |
| 9 | Control circuit contact | supplied by ECO | Cable installation in advance inside the frame |
| 10 | Radar (internal) | supplied by ECO | Cable installation in advance (or concealed) |
| 10.1 | Radar (external) | supplied by ECO | Cable installation in advance (or concealed) |



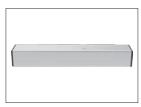
| Pos. | Drawing | Cable | Comment |
|------|---|--|--|
| 1 | ECO ETS 73 (Master- GF) | 3 x 1,5 mm ² (50 Hz, 10 A) | Mounting hinge side or hinge-opposite side |
| 1.1 | ECO ETS 73 (Slave- SF) | 3 x 1,5 mm ² (50 Hz, 10 A) | Mounting hinge side or hinge-opposite side |
| 2 | Standard arm or slide rail | | Mounting on door leaf hinge side or hinge-opposite side |
| 3 | Sensor strip set GF | Cable from ECO, Installed to Master- GF | internal cabling in advance, otherwise cable installed exter- nally with cable transition |
| 3.1 | Sensor strip set SF | Cable from ECO, installed to Slave- SF | internal cabling in advance, otherwise cable installed externally with cable transition |
| 4 | Large button internal | 4 x 0,6 oder 0,8 mm² | Concealed socket, cable installed in advance |
| 4.1 | Large button external | 4 x 0,6 oder 0,8 mm² | Concealed socket, cable installed in advance |
| 5 | Bedix | 4 x 0,6 oder 0,8 mm² | Concealed socket, cable installed in advance |
| 6 | alternative operating elements | 4 x 0,6 oder 0,8 mm² | Concealed socket, cable installed in advance |
| 7 | ECO dual locking, or E-opener in SF | bei E-Öffner- 4 x 0,6 mm² | Cable installed in advance in the frame |
| 8 | E-opener 24V | 4 x 0,6 oder 0,8 mm² | Cable installed in advance in SF |
| 9 | Control circuit contact | 4 x 0,8 mm ² | Cable installed in advance in SF |
| 10 | Radar (internal) | 4 x 0,8 mm ² | Cable installed in advance (or concealed) |
| 10.1 | Radar (external) | 4 x 0,8 mm ² | Cable installed in advance (or concealed) |
| 11 | internal cable transition | for E-opener and smoke protec- tion RSK | Optional, in advance |
| 12 | internal cable transition | for sensor strips | Optional, in advance |
| 13 | CAN cable for control of closing sequence regulation for T0 doors | supplied by ECO | Cable installed in the frame (in advance) or in the continuous drive cladding (optional) |



Check list orders - ETS

| Pos. | Type of arm | Fi prote | | | eaf | Be | dix | But | ton | Ra | dar | Ra | dio | Saf | ety eleme | ents | Emer | | E-op | ener | RS | SK |
|------|-------------|-------------|----|---|-----|-----|-----|---------------|---------------|---------------|---------------|-----|-----|----------------|----------------------|----------|------|----|------|------|-----|----|
| | | yes | no | 1 | 2 | yes | no | inter- nal | exter- nal | inter- nal | exter- nal | yes | no | Sensor bars | Finger protection | Flatscan | yes | no | yes | no | yes | no |
| | | | | | | | | | | | | | | | | | | | | | | |
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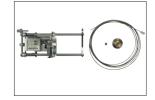
Hardware





Slide rails

Standard arms



Integrated closing sequence selector (SRI)



Operating elements



Bedix (external operation and programming element)

Security elements



Sensor strips

Accessories locks



E-opener



Switch with large surface area GFT



Radar



Remote control



Finger protection



Flatscan



Emergency off



RSK



Strike plate



Motor driven locks

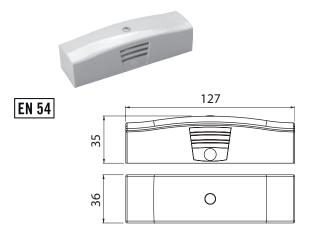


ECO Schulte Global confidence.

All over the world, wherever people value quality, reliability and safety, ECO Schulte products have been in use for many years. The combination of functionality and design have brought the ECO systems international recognition.

At this point we would like to say thank you for the global confidence that has been shown in ECO Schulte products. We see this as a challenge to continue to satisfy the demands of our customers and the market through constant development and carefully tailored production. 6

EN 54



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Smoke switch ORS 142 W - Standard

- Function: Scattered light
- Alarm level smoke acc. to EN 54, Part 7
- Release temperature: 70 ± 5° C
- Supply voltage: 18 to 24 V DC
- Power input: at 28 V DC Max. 22 mA
- Degree of protection: IP 42
- Ambient temperature: -20 to +75° C

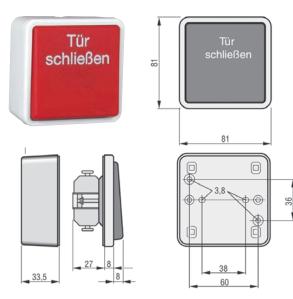
■ incl. RZO covering hood

| ORS 142 W- Standard | Colour | | Article number |
|-------------------------------------|--------|----------|----------------|
| Smoke switch ORS 142 W- Standard | White | RAL 9016 | 3550005722 |
| Smoke switch ORS 142 W- Standard | Silver | RAL 9006 | 3550005721 |

ORS 142 ceiling smoke switch

- Smoke detection: according to EN 54, Part 7
- Temperature: 70°C
- Operating voltage: 18 28 V DC
- Current power: at 28 V DC, rest 22 mA, Alarm 11 mA, Fault 16 mA,
- Relay contact: Opener
- Switching voltage: 30 V DC
- Switching current: 1A
- Switching power: 30 W
- Protection type: IP 42
- Temperature range: -20°C bis +60°C

| Ceiling smoke switch | Colour | | Article number |
|---------------------------------------|--------|----------|----------------|
| ORS 142 | White | RAL 9010 | 35020000052100 |
| ORS 143 A (Surface-mounted socket) | White | RAL 9010 | 355000350 |
| ORS 143 UH (Flush-mounted socket) | White | RAL 9010 | 355000359 |



HAT 02

Hand-operated button for mounting in dry environments, for the manual activation of hold-open mechanisms in accordance with DIBt guidelines

- Mounting: On-wall / concealed
- **Relay contact:** Opener
- Switching voltage: 30 V DC
- Switching current: Max. 1 A
- Protection type: IP 20

| Hand-operated button | Article number |
|----------------------|----------------|
| HAT 02 | 356500143 |





Relay board (RSP)

Relay board of the ETS. 4 freely configurable relays for controlling acoustic or optic transmitters or to signal the door status (e.g. open, closed, locked, fault)

Can be mounted retrospectively

| Relay board | Article number |
|-------------|----------------|
| RSP | 33850450548215 |

Dead bolt switch contact (RSK)

Dead bolt switch contact for installation in the closing plate. Switches the power unit off as soon as the lock is mechanically locked. This prevents a failure of the power unit when locking. Includes 6 m cable.

| Dead bolt switch contact | Article number | |
|--------------------------------|----------------|--|
| Dead bolt switch contact (RSK) | 35851RK1335U06 | |





Standard opener with smoke protection approval

For deployment on smoke protection doors without fire protection requirements. Door openers with red connection blocks are designed for 12 or 24 Volt (each $\pm 15\%$) continuous operation.

| Standard opener with smoke protection approval | Article number |
|--|----------------|
| A-5002-B | 35851A5002B |
| A-5002-FB (Latch guide) | 35851A5002FB |

Fire protection door opener

For deployment on doors with fire protection requirements. Door openers with red connection blocks are designed for 12 or 24 Volt (each $\pm 15\%$) continuous operation.

| Fire protection door opener | Article number |
|-----------------------------|----------------|
| FT-502-B | 35851FT502B |
| FT-502-FB (Latch guide) | 35851FT502FB |







Motor driven locks

FlipLock drive

- Multi-point locking with panic function, mechanically self-locking
- 3 patented latches + 3 long bars
- Motor unit with integrated control
- Pin and lock variations available

FlipLock access

- Multi-point locking with panic function, mechanically self-locking
- 3 patented latches + 3 long bars
- Motor unit with external control
- Pin and lock variations available
- Evaluation of all contacts (potential-free)

| Motor driven locks | Article number |
|--------------------|----------------|
| FlipLock drive | On request |
| FlipLock access | On request |



Mounting plate for ETS (MPL)

Necessary for use in fire protection and for mounting on walls or narrow frame facings.

| Mounting plate | Article number |
|----------------|-----------------|
| MPL ETS | 358500450548358 |



Open stop for ETS (OA)

Mounted on the power unit to provide additional mechanical open stop. Can be used in combination with the standard arm and slide rails (not possible in combination with the short clamps).

| Open stop | Article number | |
|-----------|-----------------|--|
| OA ETS | 358500450548106 | |



Clamps (extension shaft)

For use in special mounting situations

| Clamp (extention shaft) | Article number |
|-------------------------|-----------------|
| Clamp short (-13 mm) | 358500450548124 |
| Clamp 20 (+20 mm) | 358500450548125 |
| Clamp 50 (+50 mm) | 358500450548126 |



Cladding for double leaf doors

consisting of assembly profile, stainless steel cladding and accessories. Set 1 1,200 mm long for two-leaf doors up to 2,600 mm.

| Cladding | Total length | Article number |
|----------|--------------|-----------------|
| V-ETS | 1.200 mm | 358500450548214 |



Integrated closing sequence selector (SRI)

Assembly set for retrofitting an ETS 64-R two-leaf catch system with an integrated, mechanical door control. Approved by the DIBt. (Medium cladding set necessary).

| Integrated closing sequence selector | Article number |
|--------------------------------------|-----------------|
| SRI | 338500450548154 |







Operating console D-BEDIX for ETS

With the D-BEDIX, the different types of operation can be chosen directly. In addition, the most important door settings can be implemented with ease. The display clearly shows the types of operation, menu settings and possible faults.

| Operating console | Article number |
|-------------------|-----------------|
| D-BEDIX | 358500063514215 |

Flip switch (GFT)

- Function door "OPEN".
- Operating voltage 250 V AC / 30 V DC
- Current power max. 10 A AC / 2 A DC
- Protection type IP 40

■ 225 x 83 mm

| Flip switch | Colour | Article number |
|---|---------------------------|-----------------|
| GFT-UP (flush-mounted fitting in on-site flush-mounted box) | platinum grey RAL 7036 | 358506443210000 |
| Surface mounted accessories for GFT switch (accessory set for surface fitting) | platinum grey RAL 7036 | 338506442583000 |
| Radio set for GFT switch (for retrofitting) | _ | 358506443210050 |

Contactless surface switch (BFT)

- also for exterior application
- Protection type IP 65
- responds at a proximity of around 10 cm or less
- incl. 80 x 80mm stainless steel plate
- indirectly illuminated (24V from the ETS)
- vandalism-proof

| Contactless surface switch | Article number |
|--|----------------|
| BFT (flush-mounted) | 35851PB001UP |
| BFT (surface-mounted, incl. stainless steel surface mounting box) | 35851PB002AP |

Contactless motion detector (magic switch)

- only for interior applications
- responds from 10 to 50 cm
- Adjustment of detection field by potentiometer
- incl. 84 x 84mm nylon cover
- suitable for flush-mounted assembly

| Contactless motion detector | Article number |
|--|-----------------|
| Magic Switch (white with hand symbol) | 3385MAGICSWITCH |
| Surface mount box for Magic Switch (white) | 338500645229001 |







Radar "Eagle One"

Radar motion detector as the opening impulse provider for automatic doors, identifies direction. Incl. 5 m prepared connection cable.

| Radar | Article number |
|-------------------------------|-----------------|
| Radar BEA "Eagle One" | 33850456466419 |
| ORA rain hood for "Eagle One" | 33851ORARSHAUBE |



Remote control for ETS

For the remote control of the motor, for disabled-friendly opening of the door.

Remote print for easy insertion on the control board of the ETS.

Handheld radio transmitter with a range of up to 10 m.

| Remote control | Article number |
|--|-----------------|
| Remote control (breadboard and hand transmitter) | 358545035039600 |
| Additional hand transmitter | 358500006465722 |

Sensor strips

Active infrared safety sensor for automatic doors. Secures the movement area. Stops or reverses when obstacles are identified.

- Incl. cable and external, flexible cable transition.
- Set III consisting of 2 sensor strips per leaf (BEA), up to max. 1.200 mm
- Set IV consisting of 2 sensor strips per leaf (BEA), up to max. 1.600 mm

| | Sensor strips | Article number |
|--|--|-----------------|
| | Set III | 358506466401 |
| | Set IV | 358506466402 |
| | Rain cover hood (for outside deployment) with sensor bars up to 1100 mm | 338500201880002 |
| | Rain cover hood (for outside deployment) with sensor bars up to 1500 mm | 338500201880003 |
| | Fire protection doors adapter (6mm bore) (terminal block + slave cable) | 33851FSSet4SAFE |
| | | |

Flatscan

Sensor for swing doors to secure the entire width and height of the door leaf on the hinge side or opposite hinge side, as well as the secondary closing edge.

- Laser Scanner (to measure radiated light)
- Electricity supply 12 to 24 V AV DC ± 15%
- Power consumption <= 2W
- IP 54
- Dimensions: 142 x 55 x 23 mm
- Set consisting of 2 sensors, for hinge and opposite hinge sides

| Sensor | Colour | | Article number |
|--------------|--------|----------|-----------------|
| Flatscan Set | White | RAL 9010 | 3385LZRFLATSCA1 |
| Flatscan Set | Black | RAL 9005 | 3385LZRFLATSCA2 |
| Flatscan Set | Silver | RAL 9006 | 3385LZRFLATSCAN |





Rain cover hood



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