GEZE Boxer

Integrated door closer
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Ordering information
GEZE Boxer – Integrated door closer
closing force 2-4 and 3-6 according to EN 1154 A

Product features
► Closer sizes 2-4 and 3-6 EN 1154 A ¹
► Closer fully integrated into door leaf
► Guide rail only visible during opening moment
► Closing force, closing speed, hydraulic latching action and hydraulic back check adjustable when installed
► Finish: silver

Applications
► For right and left hand closing doors
► Closer size 2-4
  max. leaf weight approx. 130 kg
  for leaf width up to 1100 mm
  for leaf depth from 40 mm
► Closer size 3-6
  max. leaf weight approx. 180 kg
  for leaf width up to 1400 mm
  for leaf depth from 50 mm

Supplied as standard package
Integrated door closer complete with screw accessories and installation instructions
Also necessary: guide rail with lever

Version with mechanical hold-open device ² / supplied as package
Integrated door closer complete with screw accessories and installation instructions.
Also necessary: guide rail with lever and mechanical hold-open device, hold-open angle infinitely variable between 80° and 120°

Version with electromechanical hold-open device ³ / supplied as package
Integrated door closer complete with screw accessories and installation instructions.
Also necessary: E-guide rail with lever and electromechanical hold-open device

¹ An additional suitable certificate for the door is necessary with using on smoke and fire doors
² In Germany not permitted for use with smoke and fire doors
³ Approved with well known smoke detectors p.e. GEZE RSZ 6) by the DIBt, Berlin
**Specifi cation text**

Integrated door closer GEZE Boxer
for single-action doors, leaf depth from 40 mm,
according to EN 1154 A, size 2-4
with guide rail, adjustable (when installed) closing force,
closing speed, latching action and back check.

The closer is completely installed into the door leaf,
the guide rail is only visible when the door is open.

For right and left closing doors,
up to 130 kg leaf weight and up to 1100 mm leaf width

Finish: silver

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**Specifi cation text**

Integrated door closer GEZE Boxer
for single-action doors, leaf depth from 50 mm,
according to EN 1154 A, size 3-6
with guide rail, adjustable (when installed) closing force,
closing speed, latching action and back check.

The closer is completely installed into the door leaf,
the guide rail is only visible when the door is open.

For right and left closing doors,
up to 180 kg leaf weight and up to 1400 mm leaf width

Finish: silver

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**Fig. 04-1 · GEZE Boxer size 2-4 with guide rail Boxer**

**Fig 04-2 · GEZE Boxer size 3-6 with guide rail Boxer**
Integrated door closer GEZE Boxer with mechanical hold-open device 1) for single-action doors, leaf depth from 40 mm, size 2-4 according to EN 1154 A, guide rail with mechanical hold-open device, hold-open angle infinitely variable between 80° and approx. 120°, retaining force of hold-open device can be adjusted, adjustable (when installed) closing force, closing speed, latching action and back check.

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 130 kg leaf weight and up to 1100 mm leaf width

Finish: silver

Integrated door closer GEZE Boxer with mechanical hold-open device 1) for single-action doors, leaf depth from 50 mm, size 3-6 according to EN 1154 A, guide rail with mechanical hold-open device, hold-open angle infinitely variable between 80° and approx. 120°, retaining force of hold-open device can be adjusted, adjustable (when installed) closing force, closing speed, latching action and back check.

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 180 kg leaf weight and up to 1400 mm leaf width

Finish: silver

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1) In Germany not permitted for use with smoke and fire doors
**GEZE Boxer**

### Specification text

**Integrated door closer GEZE Boxer E, 24 V DC,**
certified in accordance with EN 1155,
for single-action doors, leaf depth from 40 mm,
size 2-4 according to EN 1154 A, with guide rail,
with electromechanical hold-open device

1) **hold-open angle infinitely variable between 80° and approx. 120° adjustable (when installed)** closing force, closing speed, latching action and back check

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors,
up to 130 kg leaf weight and up to 1100 mm leaf width

Finish: silver

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**Integrated door closer GEZE Boxer E, 24 V DC,**
certified in accordance with EN 1155,
for single-action doors, leaf depth from 50 mm,
size 3-6 according to EN 1154 A, with guide rail,
with electromechanical hold-open device

1) **hold-open angle infinitely variable between 80° and approx. 120° adjustable (when installed)** closing force, closing speed, latching action and back check

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors,
up to 180 kg leaf weight and up to 1400 mm leaf width

Finish: silver

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**Fig. 06-1 · GEZE Boxer size 2-4 with E-guide rail Boxer, with electromechanical hold-open device**

**Fig. 06-2 · GEZE Boxer size 3-6 with E-guide rail Boxer, with electromechanical hold-open device**

1) Approved with well known smoke detectors (p.e. GEZE RSZ 6) by the DIbT, Berlin
GEZE Boxer P – Integrated double-action door closer

Product features
▶ Closer sizes 2-4 according EN 1154
▶ Closer fully integrated into the door leaf and guide rail only visible during opening moment
▶ Closing force, closing speed, latching action and back check adjustable (when installed) from top

Applications
▶ For double-action doors
▶ Max. leaf weight approx. 80 kg
▶ For leaf width up to 1000 mm
▶ For leaf depth from 40 mm

Specification text
Integrated door closer GEZE Boxer P for double-action doors, leaf depth from 40 mm, according to EN 1154 A, size 2-4 with guide rail, adjustable (when installed) closing force, closing speed, latching action and back check

The closer is completely integrated into the door leaf, the guide rail is only visible when the door is open.

Up to 80 kg leaf weight and up to 1000 mm leaf width

Optionally with:
( ) guide rail with mechanical hold-open device
( ) guide rail with electromechanical hold-open device

Finish: silver

Fig. 07-1 · Integrated double-action door closer GEZE Boxer P
GEZE Boxer ISM for double-leaf doors
with integrated mechanical closing sequence control

Product features
- Closer sizes 2-4 / 3-6 EN 1154 A
- ISM guide rail with integrated mech. closing sequence control acc. to EN 1158
- Closer fully integrated into door leaf
- Guide rail only visible during opening moment
- Mechanical hold-open device retro-fittable for both door leaves
- Closing force, closing speed, latching action and back check adjustable when installed
- Finish: silver

Applications
- For double-leaf right and left hand closing doors
- Closer size 2-4
  - max. leaf weight approx. 130 kg
  - leaf width min. 1300 mm - max. 2200 mm
  - fixed leaf min. 540 mm
  - for leaf depth from 40 mm
- Closer size 3-6
  - max. leaf weight approx. 180 kg
  - leaf width min. 1300 mm - max. 2800 mm
  - fixed leaf min. 540 mm
  - for leaf depth from 50 mm

Special version
- for small doors 1130-1300 mm
  (see drawing Fig.11-1)

Specification text
Integrated door closer system GEZE Boxer ISM for 2-leaf doors, according to EN 1154 A size 2-4, for single-action doors, leaf depth from 40 mm, guide rail with integrated mechanical closing sequence control according to EN 1158, adjustable (when installed) closing force, closing speed, latching action and back check, certified by the FMPA Stuttgart, with use on smoke and fire doors a suitable certificate for the door is required.

Door leaf width:
- min. 1300 mm
- max. 2200 mm

Finish: silver

Specification text
Integrated door closer system GEZE Boxer ISM for 2-leaf doors, according to EN 1154 A size 3-6, for single-action doors, leaf depth from 50 mm, guide rail with integrated mechanical closing sequence control according to EN 1158, adjustable (when installed) closing force, closing speed, latching action and back check, certified by the FMPA Stuttgart, with use on smoke and fire doors a suitable certificate for the door is required.

Door leaf width:
- min. 1300 mm
- max. 2800 mm

Finish: silver

1 An additional suitable certificate for the door is necessary with using on smoke and fire doors
2 In Germany not permitted for use with smoke and fire doors

The system GEZE Boxer ISM for double-leaf doors contains an integrated closing sequence control for both door leaves.

The door leaves are in open position when the door is going to be closed. The sequential closing function is provided by the moving leaf being held-open (it “waits”) until the fixed leaf is closed.
GEZE Boxer E-ISM for double-leaf doors, with closing sequence control and electromech. hold-open device

The system GEZE Boxer E-ISM contains electromechanical hold-open devices for both door leaves and an integrated closing sequence control for both door leaves.

The door leaves are in open position with engaged hold-open devices when the door is going to be closed. The sequential closing function is provided by the moving leaf, which starts the closing of the fixed leaf and being held-open (it “waits”) until the fixed leaf is closed.

Product features
- Closer sizes 2-4 / 3-6 EN 1154 A
- E-ISM guide rail with integrated mechanical closing sequence control acc. to EN 1158 and electromechanical hold-open device on both sides acc. to EN 1155
- Closer fully integrated into door leaf
- Guide rail only visible during opening moment
- Closing force, closing speed, latching action and back check adjustable when installed
- Finish: silver

Applications
same as GEZE Boxer ISM for 2-leaf doors

Electrical data
- Operating voltage 24 V DC ± 15%
- Power consumption 2 x 100 mA
- Rating 100%

- Special version
for small doors 1130-1300 mm
(see drawing Fig. 11-1)

Specification text
Integrated door closer system GEZE Boxer E-ISM, 24 V DC, for 2-leaf single-action doors, leaf depth from 40 mm, according to EN 1154 A, size 2-4, guide rail with integrated closing sequence control according to EN 1158 and electromechanical hold-open device on both sides according to EN 1155, hold-open angle infinitely variable from 80° to approx. 120° to an exact position in accordance with EN 1155, adjustable (when installed) closing force, closing speed, latching action and back check

Building regulation approval for the use with smoke switch control units GEZE RSZ 5 und RSZ 6 is submitted at DIBt

Door leaf width: min. 1300 mm / max. 2200 mm
Finish: silver
Notice guidelines of DIBt (in Germany)

Specification text
Integrated door closer system GEZE Boxer E-ISM, 24 V DC, for 2-leaf single-action doors, leaf depth from 50 mm, according to EN 1154 A, size 3-6, guide rail with integrated closing sequence control according to EN 1158 and electromechanical hold-open device on both sides according to EN 1155, hold-open angle infinitely variable from 80° to approx. 120° to an exact position in accordance with EN 1155, adjustable (when installed) closing force, closing speed, latching action and back check

Building regulation approval for the use with smoke switch control units GEZE RSZ 5 und RSZ 6 is submitted at DIBt

Door leaf width: min. 1300 mm / max. 2800 mm
Finish: silver
Notice guidelines of DIBt (in Germany)

1) An additional suitable certificate for the door is necessary with using on smoke and fire doors
ISM/E-ISM guide rail

Boxer size 2-4/3-6, rebated timber door

**Dimensions GEZE Boxer size 2-4**
- Min. leaf width
  - B = 1300 mm
- Max. leaf width
  - B = 2200 mm

Min. leaf width of moving leaf
= 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

**Dimensions GEZE Boxer size 3-6**
- Min. leaf width
  - B = 1300 mm
- Max. leaf width
  - B = 2800 mm

Min. leaf width of moving leaf
= 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°
Fig. 11-1 · ISM/E-ISM guide rail Boxer size 2-4/3-6, rebated timber door

- Frame machining, fixed leaf
- Moving leaf – left
- Fixed leaf – right
- Frame and door machining for right door leaf reversed
- Door leaf machining, fixed leaf GEZE Boxer size 2-4
- Door leaf machining, moving leaf GEZE Boxer size 2-4
- Frame and door machining for left door leaf reversed
- Door leaf machining, fixed leaf GEZE Boxer size 3-6
- Door leaf machining, moving leaf GEZE Boxer size 3-6

Concealed power supply cable 24 V to E-ISM guide rail / GF = moving leaf right
Concealed power supply cable 24 V to E-ISM guide rail / GF = moving leaf left

Note: dimensions size 2-4 in ( )

Cover for duct (wire rope/24V-cable)

Cable 24 V (E-ISM) Wire rope
Frame machining, fixed leaf

Concealed power supply cable 24 V to E-ISM guide rail / GF = moving leaf left

Concealed power supply cable 24 V to E-ISM guide rail / GF = moving leaf left

Frame and door machining for right door leaf reversed

Frame and door machining for left door leaf reversed

Moving leaf – left

Fixed leaf – right

Door leaf machining, moving leaf GEZE Boxer size 3-6

Door leaf machining, moving leaf GEZE Boxer size 2-4

Note: dimensions size 2-4 in ()

Cover for duct (wire rope/24V-cable)

Cable 24 V (E-ISM) Wire rope

Fig. 12-1 · ISM/E-ISM guide rail Boxer door leaf width 1130-1300 mm, rebated timber door
ISM/E-ISM guide rail
Boxer size 2-4/3-6, aluminium door

**Dimensions GEZE Boxer size 2-4**
- **Min. leaf width**
  \[ B = 1300 \text{ mm} \]
- **Max. leaf width**
  \[ B = 2200 \text{ mm} \]

Min. leaf width of moving leaf = 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

**Dimensions GEZE Boxer size 3-6**
- **Min. leaf width**
  \[ B = 1300 \text{ mm} \]
- **Max. leaf width**
  \[ B = 2800 \text{ mm} \]

Min. leaf width of moving leaf = 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

Fig. 13-1 · Dimensions GEZE Boxer size 2-4 (ISM/E-ISM, aluminium door)

Fig. 13-2 · Dimensions GEZE Boxer size 3-6 (ISM/E-ISM, aluminium door)
Fig. 14-1 · ISM/E-ISM guide rail Boxer size 2-4/3-6, aluminium door

Frame machining, moving leaf

Frame machining, fixed leaf

Moving leaf – left

Fixed leaf – right

Frame and door machining for right door leaf reversed

Door leaf machining, moving leaf GEZE Boxer size 3-6

Note: Dimensions size 2-4 in ( )

Door leaf machining, fixed leaf GEZE Boxer size 3-6

Door leaf machining, moving leaf GEZE Boxer size 2-4

Door leaf machining, fixed leaf GEZE Boxer size 2-4

Concealed power supply cable
24V for E-ISM guide rail

Frame machining, moving leaf

Frame machining, fixed leaf

Frame and door machining for left door leaf reversed

Door leaf machining, moving leaf GEZE Boxer size 3-6

Note: Dimensions size 2-4 in ( )

Door leaf machining, fixed leaf GEZE Boxer size 3-6

Door leaf machining, moving leaf GEZE Boxer size 2-4

Door leaf machining, fixed leaf GEZE Boxer size 2-4

Senkschraube ISO 10642-MSx14 (4x) - adjustment GEZE Boxer

Countersunk screw ISO 7046-1-MSx... (6x) - adjustment ISM/E-ISM guide rail
Smoke switch control unit RSZ 6, Certification No. Z-6.5-1755

GEZE RSZ 6 smoke switch control unit with adaption of the alarm threshold and soiling indicator.

The smoke switch control unit RSZ 6 with integrated 24 V DC power supply unit is both a smoke detector for early detection of fire and also a smoke switch to actuate hold-open systems for fire protection barriers.

**Electrical data**
- Smoke detection – optical scattered light principle
- Voltage supply 230 V AC UP (flush-mounted)
- Operation voltage 230 V AC, 50 Hz, 6.3 W
- Total connected load max. 200 mA
- Ambient temperature 0° to +50° C
- Short-circuit proof
- Enclosure rating IP 20

**Fig. 15-1 · Dimensions of smoke switch control unit RSZ 6**

**Fig. 15-2 · Connection diagram Boxer E-guide rail to smoke switch control unit RSZ 6**

**Fig. 15-3 · Connection diagram Boxer E-guide rail to smoke switch control unit RSZ 6**
GEZE Boxer EFS size 4

Integrated door closer with freeswing-function

Product features

- Closing force 4 according to EN 1154 A
- Closer fully integrated into the door leaf and the guide rail is only visible during opening moment
- Closing speed and latching action are adjustable when installed
- Certified according to EN 1155 and by DIBt for the use with GEZE smoke switch control unit RSZ5 and RSZ6
- Closer carries CE indication
- Each commercial cable transmission can be used for the 24V supply of the closer which is integrated into the door leaf
- Low current consumption 45mA with 24 V DC

Application

- For right hand and left hand single-action doors
- For single leaf doors
- Closing force 4 for doors with:
  - leaf weight max. 130 kg
  - leaf width max. 1100 mm
  - for leaf depth from 50 mm

Note:
Due to the guideline for determination plants of the DIBt (German Institution for Construction Technology) a circuit breaker is cogently stipulated when using a door closer with freeswing function.

GEZE circuit breaker

The integrated door closer Boxer EFS is equipped with a freeswing-function.

The freeswing-function is activated by opening the door to tense the closer spring once. This will ensure that the closer spindle is held in that position in the door closer during the electro-hyraulic hold-open mechanism.

The freeswing-function makes it possible to use the door without the resistance from the closer, for closing and opening. This function is particulary important in hospitals, nursery schools and sheltered accomodation for the elderly or handicapped persons.

The use on smoke and fire doors is possible but - as well as with Boxer - a separate certificate for applicability for the fire door by the door or system manufacturer is necessary. In case of fire, the door closes automatically, irrespective of the current angle of opening.

Surface-mounted version
61 x 61 x 22 mm (H x B x T)

Flush-mounted version
81 x 81 x 13 mm (H x B x T)
**Specification text**

Integrated freeswing door closer GEZE Boxer EFS EN 4, for single-action doors with leaf depth from 50 mm, according to EN 1155, size 4; with guide rail; with freeswing-function which is activated by opening the door once to approx. 90°, closing speed and latching action adjustable when installed

The closer is completely integrated into the door leaf, the guide rail is only visible when the door is open.

Finish: silver

GEZE circuit breaker:
( ) surface-mounted (AP)
( ) flush-mounted (UP)

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**Fig. 17-1** · Integrated freeswing door closer GEZE Boxer EFS size 4 with guide rail

**Fig. 17-2** · Integrated freeswing door closer GEZE Boxer EFS size 4 with guide rail (timber door)
GEZE Boxer – Ordering information

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1) In Germany not permitted for use with smoke and fire doors.
GEZE Boxer · References

Hotel InterContinental Resort, Berchtesgaden

Kanzleigebäude, Mannheim

LüdLeasing, Stuttgart