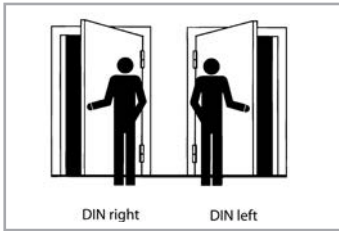# Door Opener

»Access to modern living comfort«

GROTHE

Door Opener

We open doors for you.

No intercom system without door opener! Thanks to the unlocking function, you can open the door for your visit in a relaxed manner. With Grothe door openers you are only a small lever away from modern living comfort.

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Back to table of contents

Arresting / Releasing

Function of (impermanent) arrester
When the door opener button is pressed the lock installed in the door opener is overridden for a specified period of time to enable the door to be opened a single time.
If the door closes again, the mechanical lock function is automatically activated again.
Advisable for direct-current operation, as here the electrical release is not audible in contrast to the alternating current mode (humming noise).

Function of (permanent) release mechanism
The mechanical release mechanism installed in the door opener enables the door to be kept open for as long as required or to return it to its normal function simply by moving a small lever or turning an adjusting screw (depending on model).
This is advisable in buildings with restricted office hours (doctor's practice etc.).

Standard door opener with large box
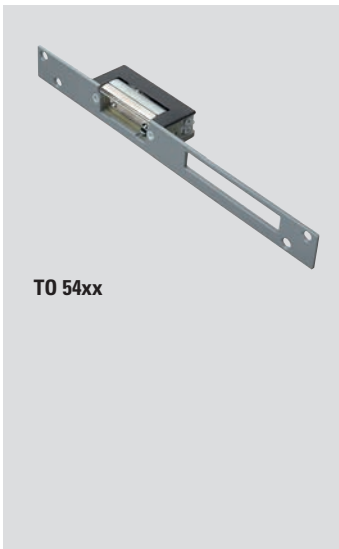
TO 511x

TO 5300
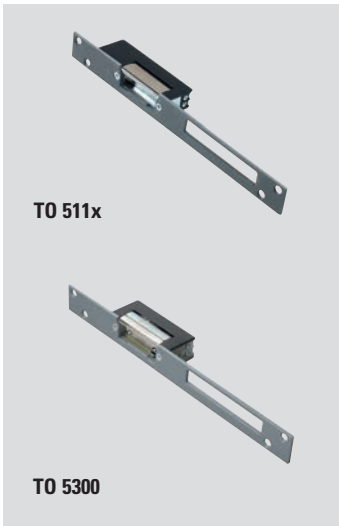
Description
• For type of function, see ordering overview
• DIN links — (can be used asymmetrically on the right and left)
• Compact design
• Perforated closing panel

Technical data
• 8–12 V AC/DC (0.8A)• Closing panel 250 x 25 x 3 mm
• Latch length 46 mm
• Box dimensions 28 (depth) x 90 x 20 mm
• Short-term load 20 sec.

Type	Order no.	Description
TO 5110	93012	**Door opener** • Standard
TO 5111	93013	**Door opener** • arrester mechanism
TO 5112	93014	**Door opener** • release mechanism
TO 5113	93015	**Door opener** • arrester and release mechanisms

Standard door opener with small box

TO 54xx

Description
• For type of function, see ordering overview
• Symmetric design (can be used on the right and left)
• Compact design
• Perforated closing panel

Technical data
• 8–12 V AC/DC (0.7A)
• Closing panel 250 x 25 x 3 mm
• Latch length 46 mm
• Box dimensions 28 (depth) x 70 x 20 mm
• Short-term load 20 sec.

Type	Order no.	Description	
TO 5300	93011	**Door opener** • adjustable latch	• 6–12 V AC/DC (0,75–1 A) • 1.0 A (at 12 V)
TO 5400	93081	**Door opener** • adjustable latch	
TO 5411	93082	**Door opener** • adjustable latch and arrester mechanism	
TO 5412	93083	**Door opener** • adjustable latch and release mechanism	
TO 5413	93084	**Door opener** • adjustable latch and release mechanism and arrester mechanism	

Door opener for use outdoors

TO 5900x

Description
• Protected against water and dust penetration (IP54)
• DIN left, DIN right
• Perforated closing panel

Technical data
• 12 V AC/DC 20 Ohm

• Closing panel 250 x 25 x 3 mm
• Latch length 44 mm
• Box 35 (depth) x 99 x 20 mm
• Short-term load 20 sec.

Note
• Not suitable for combination with angled closing panel!

Type	Order no.	Description	
TO 5900-L	93090	**Door opener** with arrester mechanism	• DIN left
TO 5900-R	93091	**Door opener** with arrester mechanism	• DIN right

Compact door opener

Description
- Compact door opener with short closing panel
- DIN links — (can be used asymmetrically on the right and left)
- Perforated closing panel

Technical data
- 8-12 V AC/DC (0.8A) 0.8A (at 12V)

- Box 28 (depth) x 90 x 20 mm
- Closing panel 160 x 25 x 3 mm
- Latch length 46 mm
- Short-term load 20 sec.

Note
- Not suitable for combination with angled closing panel!

Type	Order no.	Description	
TO 5116	93114	Door opener	• grey

TO 5116

## Door openers with electric release mechanism

Description
- Ideal for business premises, doctor's practices etc.
- Release of latch through sustaining voltage (during visiting hours, the door can be opened or closed as often as desired without pressing a button)
- Normal door opener function when sustaining voltage switched off

- DIN links — (can be used asymmetrically on the right and left)
- Perforated closing panel

Technical data
- 8 V DC (0.2A)
- Box 28 (depth) x 90 x 20 mm
- Closing panel 250 x 25 x 3 mm
- Latch length 44 mm
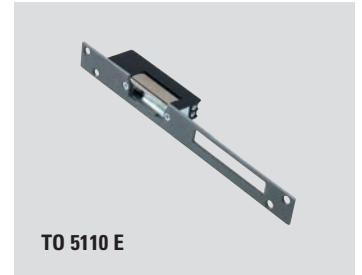
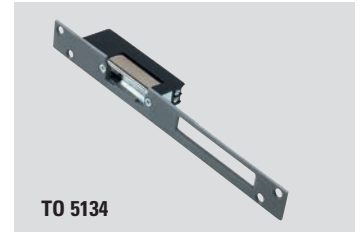| Type	Order no.	Description
TO 5110 E	93071	Door opener

TO 5110 E

No-load current door opener

Description
- Ideal, e.g. for escape doors
- Release of latch if power supply malfunctions
- Locking of latch if power supply switched on
- DIN links — (can be used asymmetrically on the right and left)
- Perforated closing panel

Technical data
- 24 V DC (0.11A)
- Box 29 (depth) x 99 x 20 mm
- Closing panel 250 x 25 x 3 mm
- Latch length 47 mm
- Up to 1000 kg pressure force

Type	Order no.	Description
TO 5134	93061	No-load current door opener

TO 5134

Box-type door opener

Description
- Ideal for box-type and screwed-on locks
- Can be used on the right and left
- Perforated closing panel

Technical data
- 12 V AC/DC 30 Ohm

- Closing panel 132 x 52 x 3 mm
- Latch length 44 mm
- Box 62 (depth) x 132 x 24 mm
- Short-term load 20 sec.

Note
- Not suitable for combination with angled closing panel!

Type	Order no.	Description
TO 5600	93021	Box-type door opener

TO 5600

Chain pull door opener

Description
- For box-type locks with pull button
- Can be used on the right and left
- Included in the delivery specification: chain (approx. 1 m), clamping device, adjusting screw, 4 S-hooks

Technical data
- 12 V AC
- Box 62 (depth) x 120 x 25 mm
- Short-term load 20 sec.

Type	Order no.	Description
TO 5200	93031	Chain pull door opener

TO 5200

Angled closing panel

Type	Order no.	Description	
TO WSB DIN L	93098	Angled closing panel	
		• For left-hand arresters	• Length 250 mm
TO WSB DIN R	93099	Angled closing panel	
		• For right-hand arresters	• Length 250 mm

TO WSB DIN L

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Spare parts for door stations
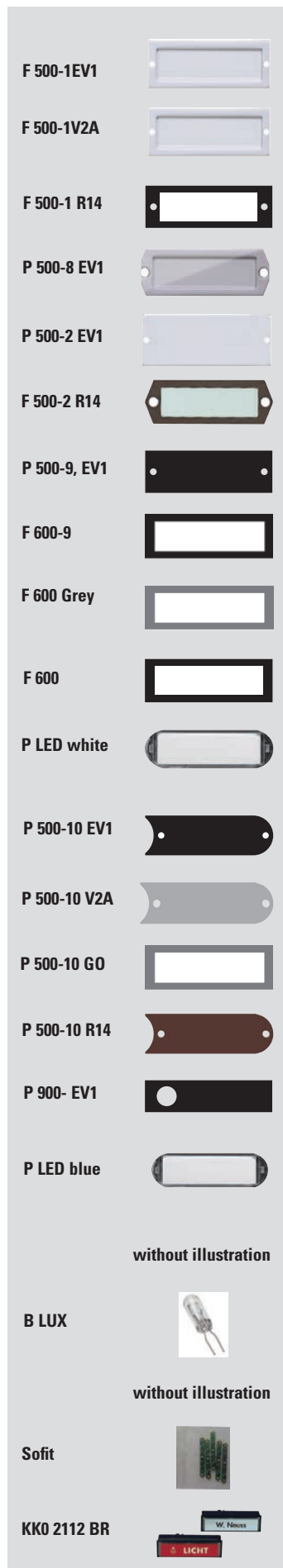
		Type	Order no.	Description		PU
F 500-1EV1		SMALL FRAME 500-1EV1	98009	Small frame • silver anodised • with protection plate/screws	• 20 x 58 mm, Protection plate 13 x 43 mm	10
F 500-1V2A		SMALL FRAME 500-1V2A	98010	Small frame • Brushed stainless steel • with protection plate/screws	• 20 x 58 mm, Protection plate 13 x 43 mm	5
F 500-1 R14		SMALL FRAME 500-1 R14	98012	Small frame • brown anodised • with protection plate/screws	• 20 x 58 mm, Protection plate 13 x 43 mm	10
P 500-8 EV1		ENGRAVED PLATE 500-8 EV1	98035	Engraved plate • silver anodised • with screws	• 20 x 58 mm	10
P 500-2 EV1		SMALL FRAME 500-2 EV1	98002	Small frame • silver anodised • with protection plate/screws	• 20 x 58 mm, Protection plate 13 x 43 mm	10
F 500-2 R14		SMALL FRAME 500-2 R14	98005	Small frame • brown anodised • with protection plate/screws	• 20 x 58 mm, Protection plate 13 x 43 mm	10
P 500-9, EV1		ENGRAVED PLATE 500-9 EV1	98013	Engraved plate • silver anodised • with screws	• 20 x 58 mm	10
F 600-9		SMALL FRAME 600 BLACK	98025	Small frame • Clamped small frame, black	• 20 x 57.5 mm, Protection plate 13 x 48 mm	10
F 600 Grey		SMALL FRAME 600 GREY	98023	Small frame • Clamped small frame, grey	• 20 x 57.5 mm, Protection plate 13 x 48 mm	10
F 600		SMALL FRAME 600	98054	Small frame • Clamped small frame, white	• 20 x 57.5 mm, Protection plate 13 x 48 mm	10
P LED white		LED nameplate	98056	LED nameplate • 4 x LED white • resistant to vandalism, IP54	• 8–16 V AC/DC (0,02–0,04 A) • Name plate 13 x 43 mm, 23 x 61 x 14 mm	10
P 500-10 EV1		ENGRAVED PLATE 500-10 EV1	98061	Engraved plate • silver anodised • rwith screws	• 20 x 62 mm	10
P 500-10 V2A		ENGRAVED PLATE 500-10 V2A	98062	Engraved plate • Brushed stainless steel • with screws	• 20 x 62 mm	5
P 500-10 GO		ENGRAVED PLATE 500-10 GO	98063	Engraved plate • Gold-plated brass • with screws	• 20 x 62 mm	5
P 500-10 R14		ENGRAVED PLATE 500-10 R14	98064	Engraved plate • brown anodised • with screws	• 20 x 62 mm	10
P 900- EV1		ENGRAVED PLATE 900 EV1	98032	Engraved plate • silver anodised • for ROBUSTA 900 Series	• 20 x 77 mm, Protection plate 12 x 53 mm	5
P LED blue		LED nameplate	98065	LED nameplate • 4 x LED blue • resistant to vandalism, IP54	• 8-16V AC/DC (0,02-0,04A) • Name plate 13x43 mm, 23x61x14 mm	
without illustration		BULB 1327	98020	Bulb • Replacement lamp for signal button SIT 1325S • Operating voltage: 12 V AC/DC	• Characteristics: 24V/50mA • Socket E10	10
B LUX		Bulb lux	98191	Replacement bulb • Package contents:10 units • (price quoted per item)	• 17 V	10
without illustration		LIGHT SIGN	51026	Light sign, red • for panel button • KKO 2112 BR (Order no. 51006)		10
Sofit		Sofit	51037	Sofit	•with replacement LED	5
KKO 2112 BR		SOFFITTE 2130	51016	Replacement tubular bulb • for old version without LED	• max. 12 V AC/DC, 0.005–1.5A	10
		KKO 2112 BR	51006	Panel button	•max. 24 V AC (1.5 A) / 24 V DC (1.0 A) •21 x 70 x 17 mm, plate 2.5 mm	3

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GENERAL DATA

Inquiry no. _____

Targetdate _____

Date _____

Sender: please fill out completely or use stamp

Company _____
Person responsible_____
Street _____
Postcode, City _____
Tel.: _____
Fax _____
e-mail _____

To.

GROTHE GmbH
Angebotsabteilung
Löhestraße 22

D-53773 Hennef

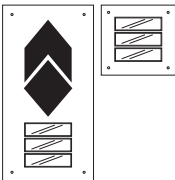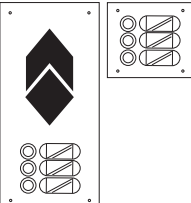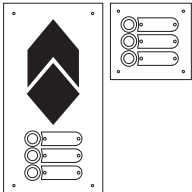**FAX** + 49 22 42 - 88 90 - 35
TEL + 49 22 42 - 88 90 - 56

STYLE

Style

☐ doorstation / front plate
(already prepared for fitting
loudspeaker of all current producers)

☐ Storey plate / Bell plate

Fixation

☐ plate with flush-mounted box
☐ dimensions flush-mounted
box (if fixed)

height: _____ mm
width: _____ mm

Colour / Material

☐ Aluminium
☐ EV1 - silver anodized
☐ R14 - brown anodized
☐ V2A - stainless steel brushed
☐ GO - brass gold-plated

☐ plate with finery box
(flush-mounted box with particular facing,
only EV1, R14, V2A)
Finery box is backwards always
closed

Overall dimension

height: _____ mm
width: _____ mm

☐ plate without box

☐ with drill holes

inside micrometer:
height: _____ mm
width: _____ mm

☐ without drill
holes

☐ Mark with a cross where applicable

LAYOUT

Standard series (individual set on page 2)

☐ Series 800   ☐ ROBUSTA LED   ☐ RobustaPlus

Assembly of push buttons

Quantity of push
buttons in total: ....

vertical assembly:

☐ one line   ☐ three lines
☐ two lines   ☐ ...... lines

horizontal assembly:

push buttons in 1 st. line..............
push buttons in 2 nd. line..............
push buttons in 3 rd. line..............
more   ....

Inquiry no. ____

Targetdate _____

Date _____

Company _____

Person responsible _____

Address _____

Individual arrangement
Buttons
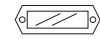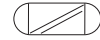
☐ PROTACT 150 VA   ☐ KKO 2112 BR
☐ PROTACT 140 GO   ☐ PROTACT 310 AL
☐ PROTACT 110 AL   ☐ PROTACT 340 GO
☐ PROTACT 450 VA   ☐ PROTACT 360 CR
☐ PROTACT 410 AL   ☐ PROTACT 510 AL
☐ PROTACT 420 AL-KS
☐ others ....

Small Frames / Name Plates   **Material**

☐ engraved plate 500-8   EV1, R14
☐ engraved plate 500-9   EV1, R14
☐ engraved plate 500-10   EV1, R14, V2A, GOLD
☐ small frame 500-1   EV1, R14, V2A
☐ small frame 500-2   EV1, R14
☐ LED name plate   plastic
☐ clamped frame 600   black/grey/white

Tubular bulb

☐ without
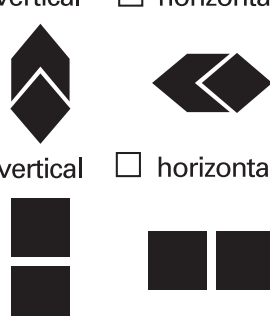☐ PROTACT LED (100,101,102 ,105)
☐ like button

Illumination name plates

☐ without illumination
☐ back illumination with bulb or LED nameplate
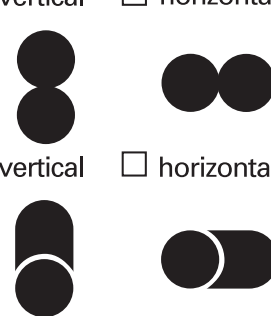
Grating with universal fixation for fitting loudspeaker

Type and System grating with holes, square

☐ vertical ☐ horizontal
☐ vertical ☐ horizontal

Type and System grating with holes, round

☐ vertical ☐ horizontal
☐ vertical ☐ horizontal

Gravures

☐ on plate
   └ number of signs ....
   └ type size in mm ....
   └ typeface ....

☐ typeface as gravures on name plates
   └ number of signs (per plate) ....
   └ typeface ....
    (size is stated)

Typeface and sizes
type
   1 = Helvetica
   2 = standard-middle
     more typefaces on request

LAYOUT OR GRAVURETEXT

MOUNTING   GRATING   GRAVURES

Information: if you need further space for your wishes please use an additional sheet. If you have further questions, please give us your telephone number. We will call you immediately.

Telephone number: ....

☐ Mark with a cross where applicable
technical changes reserved