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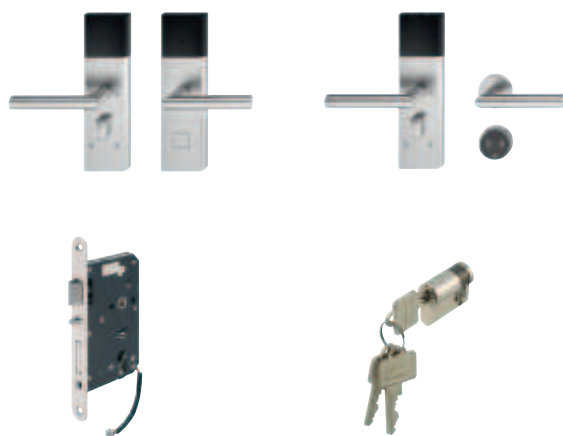
HÄFELE

## DIALOCK ELECTRONIC ACCESS CONTROL SYSTEM



# DIALOCK

ACCESS MANAGEMENT WITH RFID.



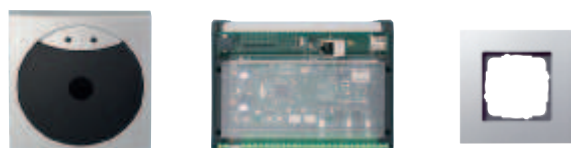
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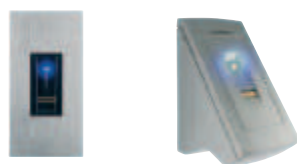
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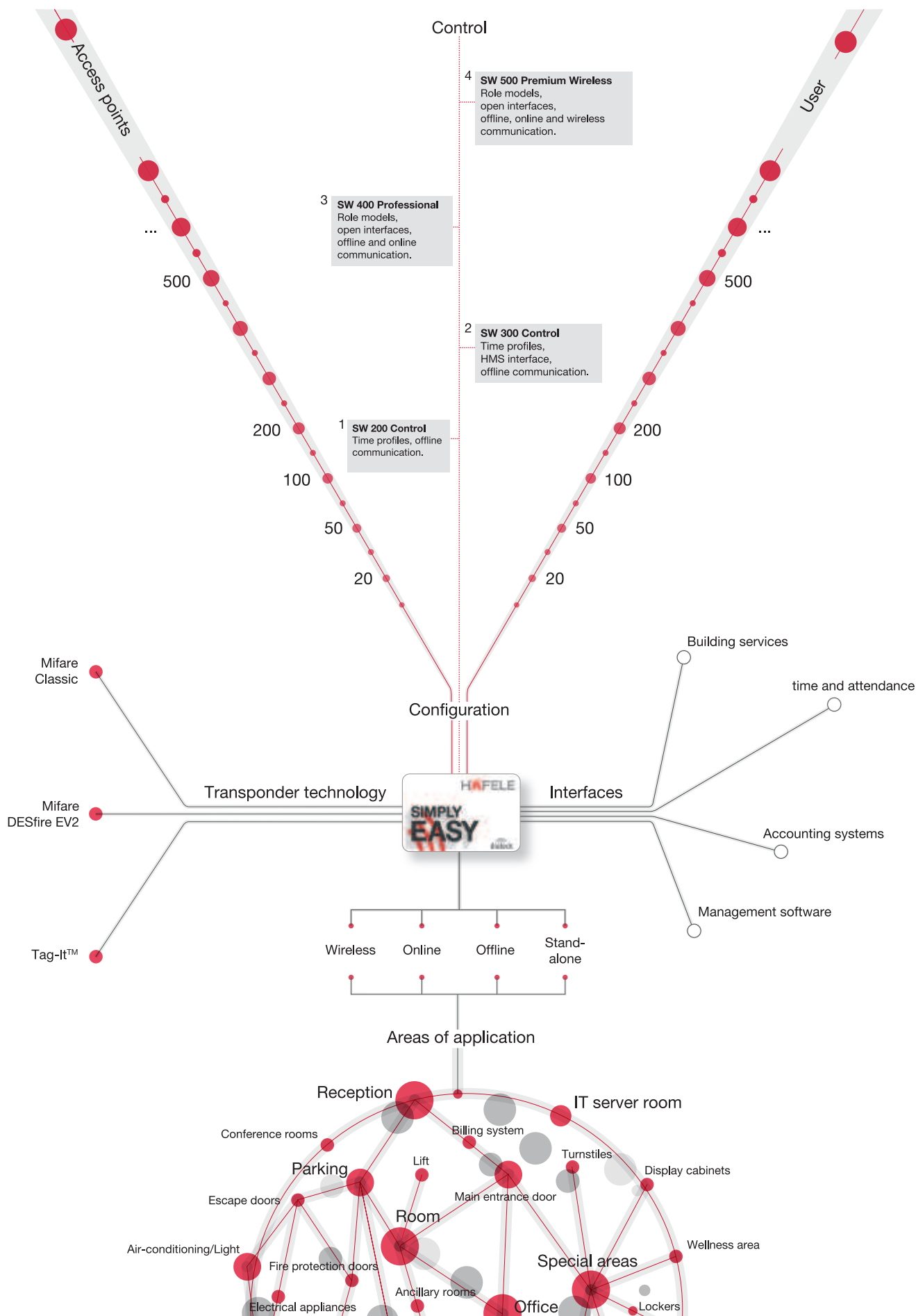
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### Dialock overview. Functions and options.





### Ordering product components

	Standard					Optional		
		(B)	(D)	(E)	(G)	(B)	(F)	
 ①	AH 3.5	AH 3.14	AH 3.18	AH 3.20	AH 3.21	AH 3.16	AH 3.21	 Programming and user keys
②	DT 700 door terminal set	Mortice lock*	Profile cylinder for emergency opening	Mounting material	Maintenance tools and batteries	Angled striking plate for mortice locks with 20 mm forend	Accessories for processing and installation	
① For guest room doors made from wood (with "Do not disturb" function) ② For guest room doors made from metal (with "Do not disturb" function)	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
								AH 3.67

\* Mortice locks with 24 mm forend are supplied with a flanged striking plate. Striking plate is not supplied with mortice locks with 20 mm forend. Please order separately.

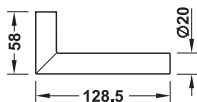
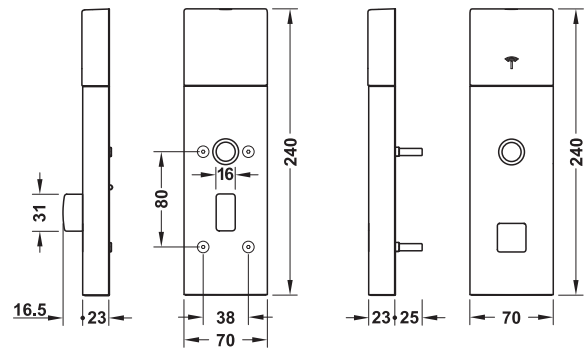
### Sample order

	For interior hotel guest room doors, wood, flush, door thickness 42 mm, DIN right, backset 65 mm, battery-operated door terminal, comfort function outwards		
		<b>Door terminal set</b>	
	917.64.006	DT 700 door terminal set with thumbturn, satin stainless steel	AH 3.6
	(B)	<b>Mortice lock with flanged striking plate</b>	
	917.81.791	For doors with standard requirements, stainless steel coloured	AH 3.15
	(D)	<b>Profile cylinder for mechanical emergency opening</b>	
	916.80.221	Single cylinder, keyed alike	AH 3.19
	(E)	<b>Supplementary products</b>	
	917.80.831	Square spindle set 1	AH 3.20
	917.80.851	Screw set 1	
	(F)	<b>Accessories for processing and installation</b>	AH 3.21
	(G)	<b>Maintenance tool</b>	
	910.54.980	Alkaline manganese battery 1.5 V AA	AH 3.21
		<b>Programming and user keys</b>	AH 3.67

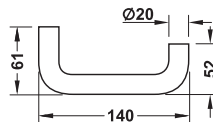
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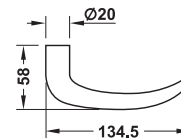
## Häfele Dialock DT 700 Door terminal set



G-shape



U-shape



J-shape

Door terminal set for interior guest room doors,  
with approval for use on fire resistant and smoke control door,  
satin stainless steel, polished stainless steel, polished brass  
coloured or black,  
with fixed lever handle aperture parts,  
door backplate interior module with battery

### Functionality

Battery-operated, intelligent door terminal, touchless activation with  
Dialock key (passive transponder)

- > Red/white LEDs/Piezo signal generator for indication of locking and unlocking
- > Door backplate interior module with thumbturn with which "Do not disturb" can be indicated on the exterior module by a flashing signal (thumbturn = DND = "Do not disturb" function). Mechanical locking takes place by turning the thumbturn, pushing forward the deadbolt of the mortice lock.
- > The door can be opened without a key by activating the lever handle at any time from the inside.
- > Several keys per room and up to 20 keys per door terminal are possible
- > Mechanical emergency opening is possible
- > With real-time clock for audit trail of all locking processes, openings of the housing, emergency openings and battery removals (memory for up to 1,000 audit trail entries, for up to 1,000 user keys)
- > Tamper protection on interior module blocks the door terminal in case of unauthorised disassembly of the internal backplate. Access from the outside is blocked for user keys with activated tamper protection. The tamper protection can be activated (optional).
- > For service personnel:  
Indication when battery change is required

### Advantages

- > Easy installation
- > Easy battery change
- > Drilling dimensions in compliance with DIN 18251 + additional drill hole for DND;  
cut-out in door leaf not required
- > Fixing via standard rose/escutcheon fixing points

### Technical data

Degree of protection	IP20
Ambient temperature (operation)	0 °C to +55 °C
Relative humidity	0–95 % (not condensed)
Battery service life	Approx. 2 years, generally 10 lock cycle modes per day
Backset	55 or 65 mm
Spindle	9 mm
Distance	72 mm
Door thickness	35–95 mm
Standard	Tested for fire resistance in accordance with EN 1634, T90 tested to EN 12209 (mortice lock), EN 1906 (terminal), EN 179 (with suitable and appropriate lever handle design)
Electrostatic discharge (ESD)	Meets the requirements of EN 301 489 – 1
Voltage supply	Alkaline manganese battery 1.5 V AA (4 pieces)
Memory	For up to 1000 audit trail entries, for up to 1000 keys

Notes on operation and installation

- Planning by Dialock specialist is required.
- DT 700 door terminal modules on fire resistant and smoke control doors must be installed by Dialock specialists after approval by the door manufacturer. If the terminal is installed without this approval, the Fire and Smoke Control Certificate for the fire resistant or smoke control door will be invalidated.

Only to be used in combination with DIN mortice lock for DT 700. The comfort function is determined with the mortice lock.

Mechanical emergency opening

The DT 700 door terminal set must always be equipped with a single profile cylinder for optional mechanical emergency opening. When using the mechanical emergency opening, please note the information sheet for determining the length of the single profile cylinder.

- The batteries in the door backplate interior module are secured with a special screw in the covering hood. This should prevent unauthorised removal of the batteries. For this reason, a special bit is required for inserting batteries into the interior module. Please order separately.

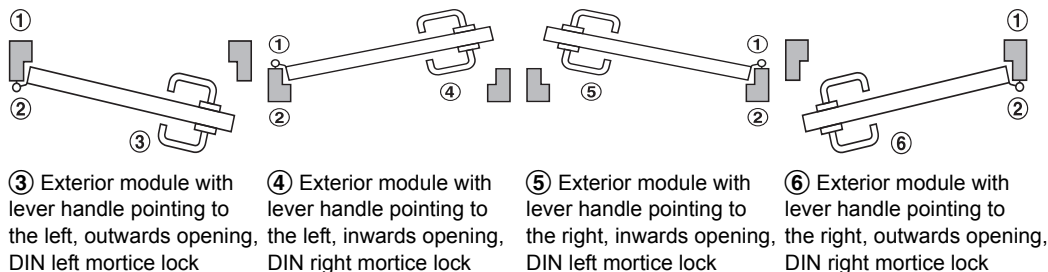


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Determine lever handle and opening direction

- 1 Internal module
- 2 Exterior module (access control)

The opening direction inwards or outwards must be selected with the mortice lock.



→ DT 700 Door terminal set

	Stainless steel Satin	Black	Polished brass coloured	Polished
	917.64.006	917.64.200	917.64.257	917.64.201
	917.64.051	917.64.202	917.64.258	917.64.203
	917.64.008	917.64.204	917.64.259	917.64.205

→ DT 700 Door terminal set with open Bluetooth interface SPK



	Stainless steel Satin	Black	Polished brass coloured	Polished
	917.64.212	917.64.206	917.64.213	917.64.207
	917.64.214	917.64.208	917.64.215	917.64.209
	917.64.216	917.64.210	917.64.217	917.64.211



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**Note**

Door terminals with Bluetooth interface are used in hotels. These door terminals can be unlocked with a standard key card, key tag or BLE-capable mobile phone with iOS or Android operating system. Planning by Dialock technician is required.

**Order reference**

The following components must also be ordered for a fully operational unit:

- > 1 mortice lock for DT 700 / DT 710
- > 1 profile cylinder for mechanical emergency opening
- > 4 batteries AA
- > 1 angled striking plate,  
only for mortice locks with 20 mm forend
- > Mounting tool special bit or SW3 screwdriver for screw with security pin
- > Mounting set (threaded screws and square spindle)

**EN 179**

If an escape route door in compliance with EN 179 is required, only the use of door terminals with U-shaped lever handle aperture parts is permitted.

Ordering product components	► AH 3.4
Special bit	► AH 3.21



### Ordering product components

	Standard						Optional		
		(B)	(D)	(E)	(E)	(G)	(B)	(F)	
  ①	 AH 3.9	 AH 3.14	 AH 3.18	 AH 3.12	 AH 3.20	 AH 3.21	 AH 3.16	 AH 3.21	
② 	DT 710 door terminal set	Mortice lock*	Profile cylinder for emergency opening	Escutcheon foil	Screw set/square spindle set	Maintenance tools and batteries	Angled striking plate for mortice locks with 20 mm forend	Accessories for processing and installation	Programming and user keys
① For guest room doors made from wood (with "Do not disturb" function)	✓	✓	✓	✓	✓	✓	✓	✓	AH 3.67
② For guest room doors made from metal (with "Do not disturb" function)	✓	✓	✓	✓	✓	✓	✓	✓	

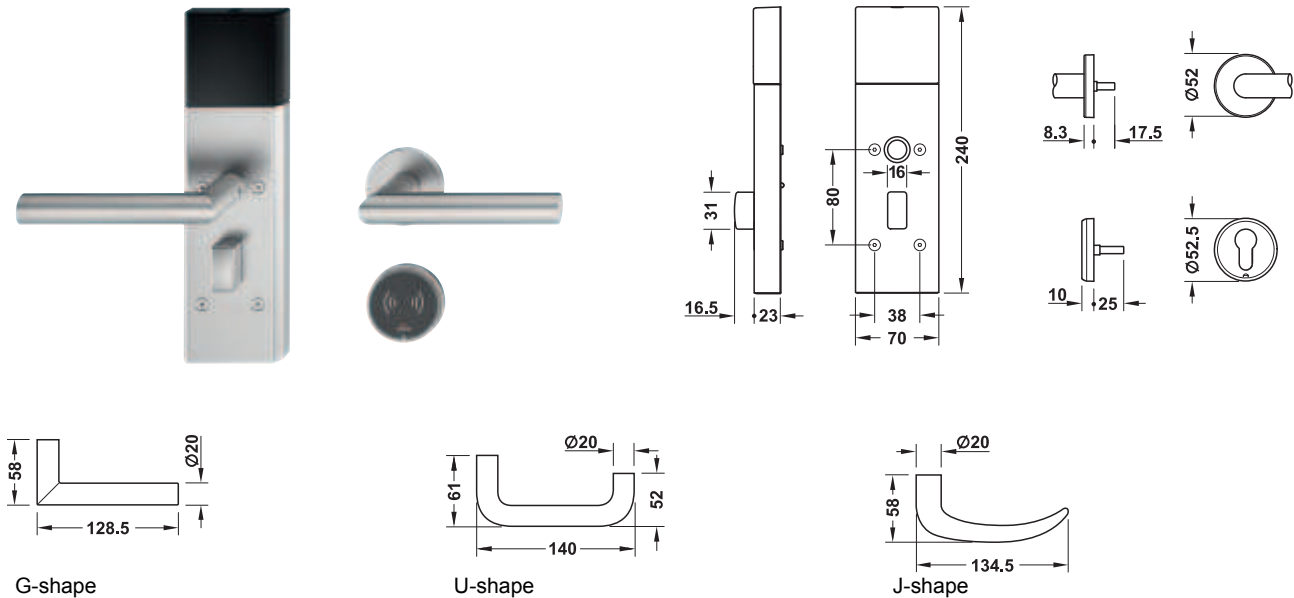
\* Mortice locks with 24 mm forend are supplied with a flanged striking plate.  
Striking plate is not supplied with mortice locks with 20 mm forend. Please order separately.

### Sample order

	For interior hotel guest room doors, wood, flush, door thickness 42 mm, DIN right, backset 65 mm, battery-operated door terminal, comfort function outwards		
		<b>Door terminal set</b>	
	917.64.000	DT 710 door terminal set with thumbturn, satin stainless steel	AH 3.10
		<b>(B) Mortice lock with flanged striking plate</b>	
	917.81.791	For doors with standard requirements, stainless steel coloured	AH 3.15
		<b>(D) Profile cylinder for mechanical emergency opening</b>	
	916.80.221	Single cylinder, keyed alike	AH 3.19
		<b>(E) Supplementary products</b>	
	917.80.831	Square spindle set 1	AH 3.20
	917.80.851	Screw set 1	
		<b>(F) Accessories for processing and installation</b>	AH 3.21
		<b>(G) Maintenance tool</b>	
	910.54.980	Alkaline manganese battery 1.5 V AA	AH 3.21
		<b>Programming and user keys</b>	AH 3.67

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## Häfele Dialock DT 710 Door terminal set



Door terminal set for interior guest room doors, with approval for use on fire resistant and smoke control door, satin stainless steel, polished stainless steel, polished brass coloured or black, with fixed lever handle aperture parts, door backplate interior module with battery

### Functionality

Battery-operated, intelligent door terminal, touchless activation with Dialock key (passive transponder)

- > Red/white LEDs/Piezo signal generator for indication of locking and unlocking
- > Door backplate interior module with thumbturn with which "Do not disturb" can be indicated on the exterior module by a flashing signal (thumbturn = DND = "Do not disturb" function). Mechanical locking takes place by turning the thumbturn, pushing forward the deadbolt of the mortice lock.
- > The door can be opened without a key by activating the lever handle at any time from the inside.
- > Several keys per room and up to 20 keys per door terminal are possible
- > Mechanical emergency opening is possible
- > With real-time clock for audit trail of all locking processes, openings of the housing, emergency openings and battery removals (memory for up to 1,000 audit trail entries, for up to 1,000 user keys)
- > Tamper protection on interior module blocks the door terminal in case of unauthorised disassembly of the internal backplate. Access from the outside is blocked for user keys with activated tamper protection. The tamper protection can be activated (optional).
- > For service personnel:  
Indication when battery change is required

### Advantages

- > Easy installation
- > Easy battery change
- > Drilling dimensions in compliance with DIN 18251 + additional drill hole for DND; cut-out in door leaf not required
- > Fixing via standard rose/escutcheon fixing points

### Technical data

Degree of protection	IP20
Ambient temperature (operation)	0 °C to +55 °C
Relative humidity	0–95 % (not condensed)
Battery service life	Approx. 2 years, generally 10 lock cycle modes per day
Backset	55 or 65 mm
Spindle	9 mm
Distance	72 mm
Door thickness	35–95 mm
Standard	Tested for fire resistance in accordance with EN 1634, T90 tested to EN 12209 (mortice lock), EN 1906 (terminal), EN 179 (with suitable and appropriate lever handle design)
Electrostatic discharge (ESD)	Meets the requirements of EN 301 489 – 1
Voltage supply	Alkaline manganese battery 1.5 V AA (4 pieces)
Memory	For up to 1000 audit trail entries, for up to 1000 keys



### Notes on operation and installation

❗ Planning by Dialock specialist is required.

- DT 710 door terminal modules on fire resistant and smoke control doors must be installed by Dialock specialists after approval by the door manufacturer. If the terminal is installed without this approval, the Fire and Smoke Control Certificate for the fire resistant or smoke control door will be invalidated.

Only to be used in combination with DIN mortice lock for DT 710.

The comfort function is determined with the mortice lock.

### Mechanical emergency opening

The DT 710 door terminal set must always be equipped with a single profile cylinder for optional mechanical emergency opening.

When using the mechanical emergency opening, please note the information sheet for determining the length of the single profile cylinder.

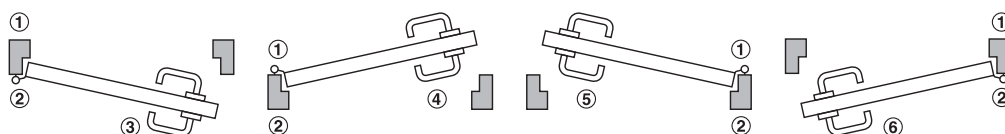
- ❗ The batteries in the door backplate interior module are secured with a special screw in the covering hood. This should prevent unauthorised removal of the batteries. For this reason, a special bit is required for inserting batteries into the interior module. Please order separately.



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### Define lever handle and opening direction

- ① Interior module
- ② Exterior module (access control)



The opening direction inwards or outwards must be selected with the mortice lock.

③ Exterior module with lever handle pointing to the left, outwards opening, Din left mortice lock

④ Exterior module with lever handle pointing to the left, inwards opening, DIN right mortice lock

⑤ Exterior module with lever handle pointing to the right, inwards opening, DIN left mortice lock

⑥ Exterior module with lever handle pointing to the right, outwards opening, DIN right mortice lock

### → DT 710 Door terminal module

	Stainless steel			
	Satin	Black	Polished brass coloured	Polished
	917.64.000	917.64.300	917.64.251	917.64.301
	917.64.001	917.64.302	917.64.252	917.64.303
	917.64.002	917.64.304	917.64.253	917.64.305

F

→ DT 710 door terminal set with open Bluetooth interface SPK



	Stainless steel Satin	Black	Polished brass coloured	Polished
	917.64.312	917.64.306	917.64.313	917.64.307
	917.64.314	917.64.308	917.64.315	917.64.309
	917.64.316	917.64.310	917.64.317	917.64.311



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**Note**

Door terminals with Bluetooth interface are used in hotels. These door terminals can be unlocked with a standard key card, key tag or BLE-capable mobile phone with iOS or Android operating system. Planning by Dialock technician is required. The DT 710 door terminal set is supplied with escutcheon foil Cat. No. 917.80.424.

**Order reference**

The following components must also be ordered for a fully operational unit:

- > 1 mortice lock for DT 700 / DT 710
- > 1 profile cylinder for mechanical emergency opening
- > 4 batteries AA
- > 1 angled striking plate,  
only for mortice locks with 20 mm forend
- > Mounting tool special bit or SW3 screwdriver for screw with security pin
- > Mounting set (threaded screws and square spindle)

**EN 179**

If an escape route door in compliance with EN 179 is required, only the use of door terminals with U-shaped lever handle aperture parts is permitted.

Ordering product components	► AH 3.8
Special bit	► AH 3.21

## (E) Supplementary products

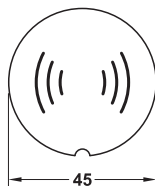
### Escutcheon foil for reader module



Without aperture (blank)



With PC aperture (profile cylinder)



- > Area of application: Cover foil for sticking onto DT 710 reader module
- > Material: Plastic
- > Colour: Grey or white

Apertures	Colour	Cat. No.
Blank	Grey	917.80.424
	White	917.80.425
PC	Grey	917.80.420
	White	917.80.421

#### Order reference

Customised design of the escutcheon foil available on request (from an order quantity of 50 pieces).

The DT 710 door terminal set is supplied with escutcheon foil Cat. No. 917.80.424.

### DT 700/710 Office Conversion set



- > Functionality: Doors in the Office area do not require the "Do not disturb function DND". The rotating lever on the door terminal interior module can be converted using the pliers and plug.
- > Material: Pliers: Steel, plug: Plastic
- > Finish/colour: Plug: Matt black

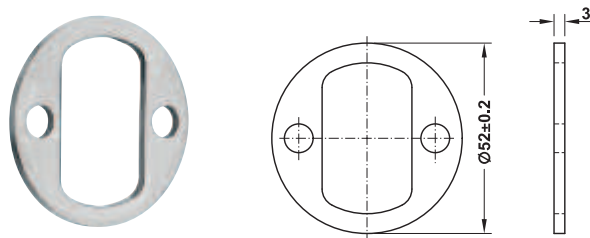
	Cat. No.
Pliers	917.90.019
Plug	917.80.693

#### Note

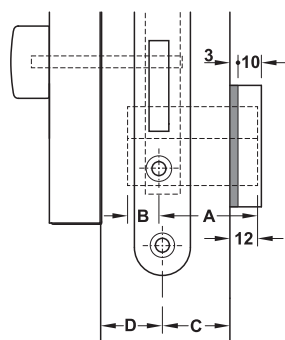
Disassembly without special pliers is not possible.

Plugs are packed in sets of 50 pieces with installation instructions.

### Spacer plate for reader module



#### Compensation with spacer plate



Reader module  
with spacer plate 3 mm

A spacer plate 3 mm can be used to compensate for thin doors (optional). The max. possible cylinder dimension (dim. A) is then increased by 3 mm. The min. cylinder dimension (dim. A) remains the same when using the blank escutcheon foil, when using the PC escutcheon foil it is increased by 3 mm. Dim B. max. = dim. D – 2 mm

- > Area of application: Dim. C of the profile cylinder may be too long for thin doors. In this case, a spacer plate can be used to compensate for deviations (max. 3 mm)
- > Thickness: 3 mm

#### Technical Data



DT 710 reader module with blank escutcheon foil

Dim. A mm	Dim. B mm	Dim. C mm Comfort function inwards	Dim. C mm Comfort function outwards
<b>Single cylinder (e.g. 916.80.221)</b>			
21.5	10	14–22.5	16–25.5
<b>Single cylinder (e.g. 916.22.701)</b>			
27	10	19.5–28	21.5–30

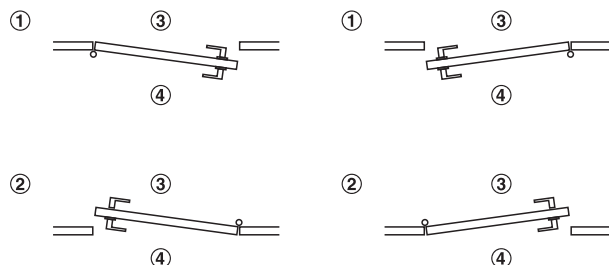
Material	Finish/colour	Cat. No.
Stainless steel	Satin	917.90.484
	Polished brass coloured	917.90.485
	Polished	917.90.479
	Black	917.90.478

#### Comfort function

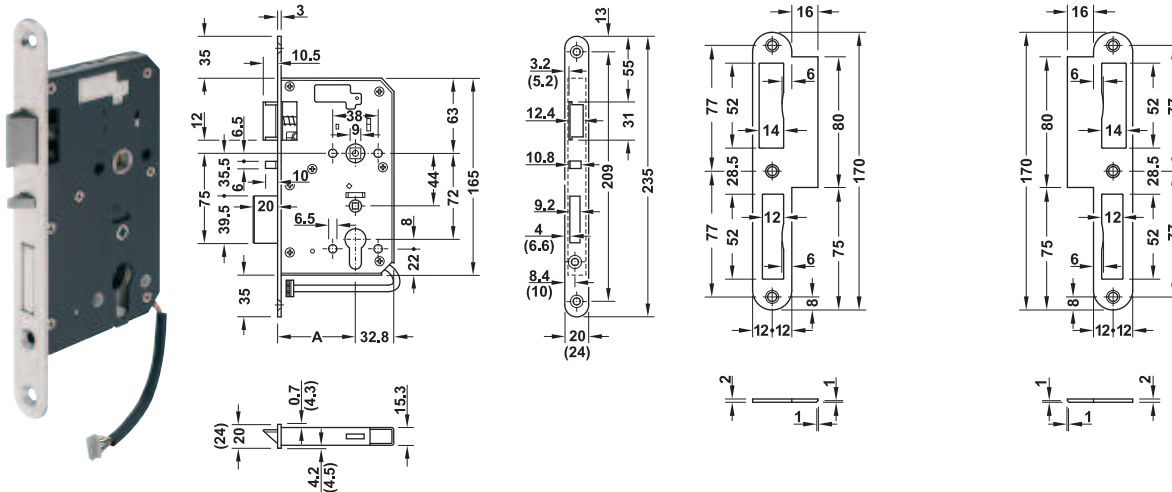
Please note different dim. C with comfort function inwards and outwards opening doors.

DIN L

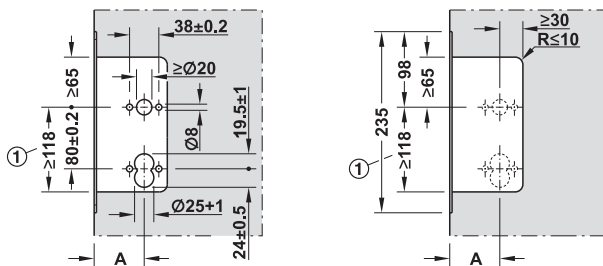
DIN R



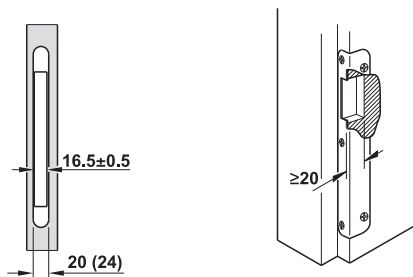
- ① Comfort function inwards opening doors
- ② Comfort function outwards opening doors
- ③ Public area
- ④ Guest room

**(B) Mortice locks****DT 700 and DT 710 Mortice lock**Flanged striking plate DIN L  
(only with forend plate 24 mm)Flanged striking plate DIN R  
(only with forend plate 24 mm)

- > Area of application: For rebated doors (forend 20 mm) or flush doors (forend 24 mm), suitable for fire resistant and smoke control doors
- > Version: Electrically lockable (outside handle blocked) mortice lock with feedback, comfort function and emergency opening function, with deadlocking latchbolt, connection cable for electrical coupling and sensors. The outside handle is fixed when the door is locked. For use in combination with DT 400 and adapter cable.
- > Type of locking: Prepared for profile cylinder – required for emergency opening
- > Deadbolt: 1-turn
- > Forend: Round
- > Lever follower: 9 mm
- > Distance: 72 mm
- > Mounting: DIN L and DIN R
- > Material: Forend: Stainless steel, latchbolt and lock case: Steel, lever follower: Malleable cast
- > Finish: Satin, lock case: Black

**Installation**Door leaf  
drilling dimensionsLock case  
routing dimensions

Observe the mortice dimensions. Dimension ① in drawing is greater than with normal mortice locks due to the cable outlet.



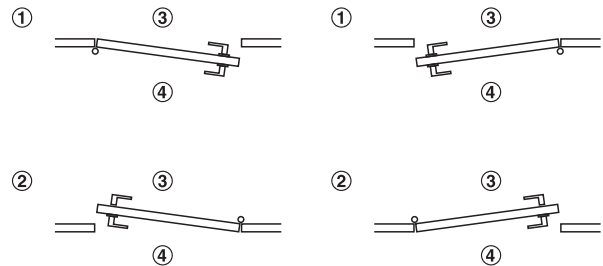
The forend screw supplied with the mortice lock must be installed with backset 55 mm.

**Determination of comfort function**

A door can be inwards or outwards opening irrespective of the mounting.

DIN L

DIN R



- ① Comfort function inwards opening doors
- ② Comfort function outwards opening doors
- ③ Public area
- ④ Guest room



The side with comfort function is marked with a label.

**Emergency opening function**

Emergency opening function is monitored (feedback).

Opening of door from outside: By turning the key in the profile cylinder (key action), the latchbolt and deadbolt are retracted.

Opening of door from inside: By activating the lever handle, the latchbolt and deadbolt are retracted.



**B Mortice locks****Supplied with**

1 mortice lock

1 forend screw 70 mm (only for backset 55 mm; installation mandatory)

1 round or square forend, satin or polished stainless steel, polished brass coloured or satin black

2 fixing screws, colour-coordinated

1 flanged striking plate, same colour as the mortice lock

**(only supplied with forend width 24 mm)**

Forend width mm	Mounting	Stainless steel Satin	Black satin	Polished brass coloured	Polished
<b>Backset A 55 mm, forend round</b>					
20	DIN L, comfort function outwards	917.81.730	917.81.738	917.81.735	917.81.737
	DIN L, comfort function inwards	917.81.710	917.81.718	917.81.715	917.81.717
	DIN R, comfort function outwards	917.81.740	917.81.748	917.81.745	917.81.747
	DIN R, comfort function inwards	917.81.720	917.81.728	917.81.725	917.81.727
24	DIN L, comfort function inwards	–	917.81.719	–	–
	DIN L, comfort function outwards	–	917.81.739	–	–
	DIN R, comfort function inwards	–	917.81.729	–	–
	DIN R, comfort function outwards	–	917.81.749	–	–
<b>Backset A 65 mm, forend round</b>					
20	DIN L, comfort function outwards	917.81.731	917.81.882	917.81.736	917.81.880
	DIN L, comfort function inwards	917.81.711	917.81.862	917.81.716	917.81.860
	DIN R, comfort function outwards	917.81.741	917.81.883	917.81.746	917.81.881
	DIN R, comfort function inwards	917.81.721	917.81.863	917.81.726	917.81.861
24	DIN L, comfort function outwards	917.81.781	917.81.886	917.81.786	917.81.884
	DIN L, comfort function inwards	917.81.761	917.81.866	917.81.766	917.81.864
	DIN R, comfort function outwards	917.81.791	917.81.887	917.81.796	917.81.885
	DIN R, comfort function inwards	917.81.771	917.81.867	917.81.776	917.81.865
<b>Backset A 65 mm, forend square</b>					
24	DIN L, comfort function outwards	917.81.787	–	917.81.788	–
	DIN L, comfort function inwards	917.81.767	–	917.81.768	–
	DIN R, comfort function outwards	917.81.797	–	917.81.798	–
	DIN R, comfort function inwards	917.81.777	–	917.81.778	–
<b>Backset A 80 mm, forend round</b>					
20	DIN L, comfort function outwards	917.84.020	917.84.024	917.84.026	917.84.022
	DIN L, comfort function inwards	917.84.000	917.84.004	917.84.006	917.84.002
	DIN R, comfort function outwards	917.84.021	917.84.025	917.84.027	917.84.023
	DIN R, comfort function inwards	917.84.001	917.84.005	917.84.007	917.84.003
24	DIN L, comfort function outwards	917.84.028	917.84.032	917.84.034	917.84.030
	DIN L, comfort function inwards	917.84.008	917.84.012	917.84.014	917.84.010
	DIN R, comfort function outwards	917.84.029	917.84.033	917.84.035	917.84.031
	DIN R, comfort function inwards	917.84.009	917.84.013	917.84.015	917.84.011

**Order reference**

Striking plate is not supplied with mortice locks with 20 mm forend width.

Please order separately.

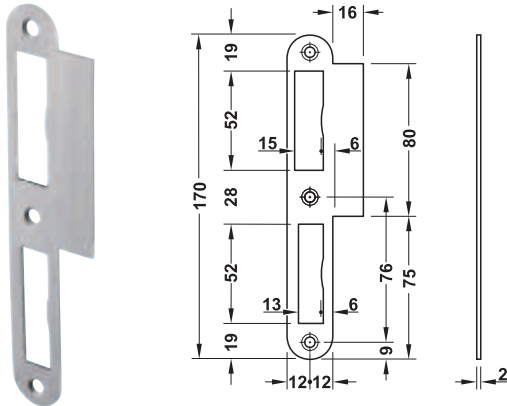
The supplied forend screw must be installed with backset 55 mm.



3

## Ⓑ Mortice locks accessories

### Flanged striking plate



- > Area of application: For wooden frames, for flush doors, Straight flange
- > Version:

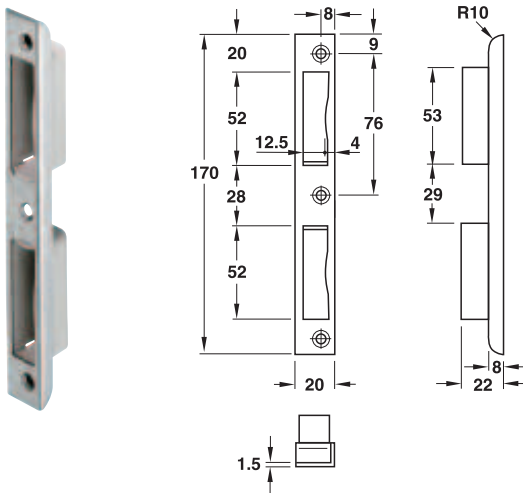
Material	Finish/colour	DIN left	DIN right
Stainless steel	Satin	911.39.747	911.39.748

GAEB

CAD

3

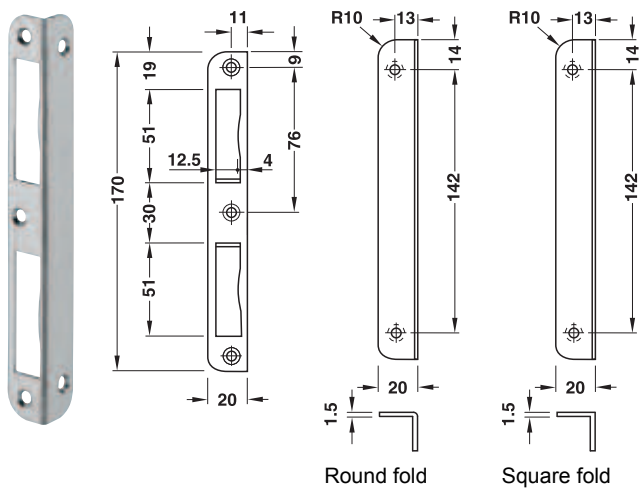
### Recessed striking plate



- > Area of application: For wooden frames, for rebated doors
- > Version: For 2-turn mortice locks, with plastic strike box
- > Mounting: For DIN left and DIN right hand use

Material	Finish/colour	Cat. No.
Stainless steel	Satin, light grey plastic strike box	911.39.013

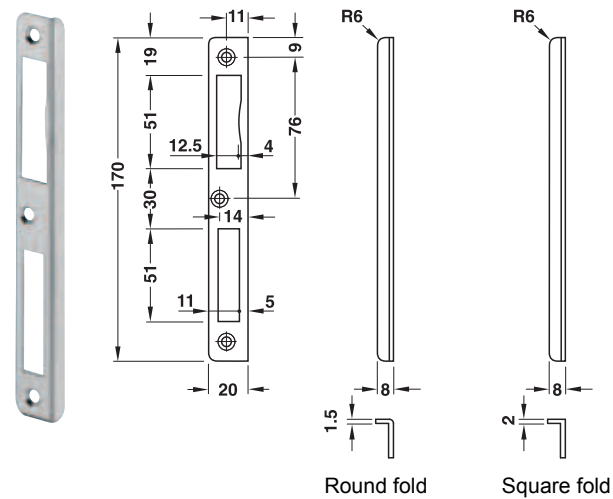
Angled striking plate



- > Area of application: For wooden frames, for rebated doors
- > Version: Round or square
- > Mounting: For DIN left and DIN right hand use

Version	Material	Finish/colour	Cat. No.
Round	Stainless steel	Satin	911.39.001
Square	Brass	Polished with protective lacquer	911.39.002
Round	Steel	White lacquered	911.39.022
		Nickel silver colour, lacquered	911.39.021
		Brass coloured, hammer effect enamelled lacquered	911.39.020

Angled striking plate



- > Area of application: For wooden frames, for rebated doors, for mortice locks with high deadbolt
- > Version: Round or square

Version	Material	Finish	DIN left	DIN right
Round	Stainless steel	Satin	911.39.023	911.39.024
Square	Brass	Polished with protective lacquer	911.39.025	911.39.026

## ④ Profile cylinder for emergency opening

### Profile cylinders

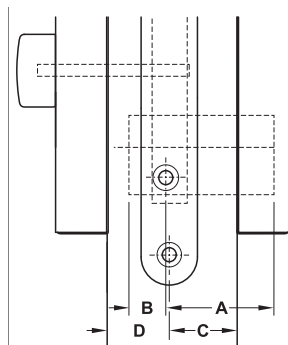


Single cylinder

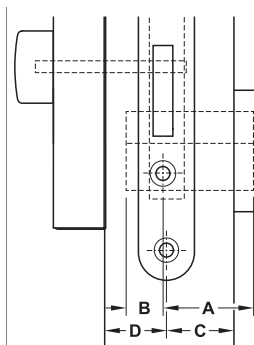
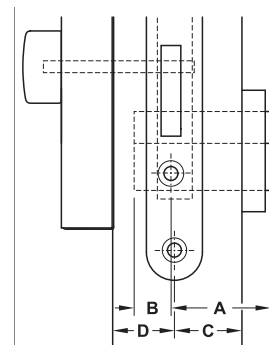


Single cylinder

- > Type of locking: Keyed alike or keyed alike S1
- > Material: Cylinder housing: Brass, key: Steel
- > Finish: Cylinder housing and key: Nickel plated



DT 700 reader module

DT 710 reader module  
with blank escutcheon foilDT 710 reader module  
with PC escutcheon foil

Dim. A mm	Dim. B mm	Dim. C mm Comfort function inwards	Dim. C mm Comfort function outwards	Dim. C mm Comfort function inwards	Dim. C mm Comfort function outwards	Dim. C mm Comfort function inwards	Dim. C mm Comfort function outwards
<b>Single cylinder</b>							
21.5	10	7–21	10–24	14–34	18–37	5–10	7.5–12.5
<b>Single cylinder</b>							
27	10	13.5–17.5	16–20	19.5–25	21.5–27	10–15	13–18
31		17.5–21.5	20–24	23.5–29	25.5–31	14–19	17–22
35		21.5–25.5	24–28	27.5–33	29.5–35	18–23	21–26
40		26.5–30.5	29–33	32.5–38	34.5–40	23–28	26–31
45		31.5–35.5	34–38	37.5–43	39.5–45	28–33	31–36
50		36.5–40.5	39–43	42.5–48	44.5–50	33–38	36–41
55		41.5–45.5	44–48	47.5–53	49.5–55	38–43	41–46
60		46.5–50.5	49–53	52.5–58	54.5–60	43–48	46–51
65		51.5–55.5	54–58	57.5–63	59.5–65	48–53	51–56
70		56.5–60.5	52–63	62.5–68	64.5–70	53–58	56–61

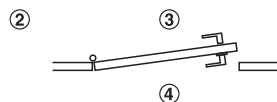
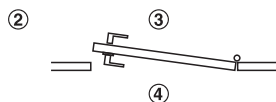
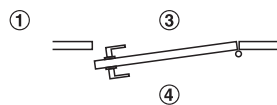
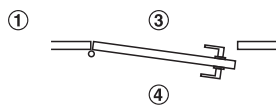
Dim. B max. = dim. D – 2 mm

#### Comfort function

Please note different dim. C with comfort function inwards and outwards opening doors.

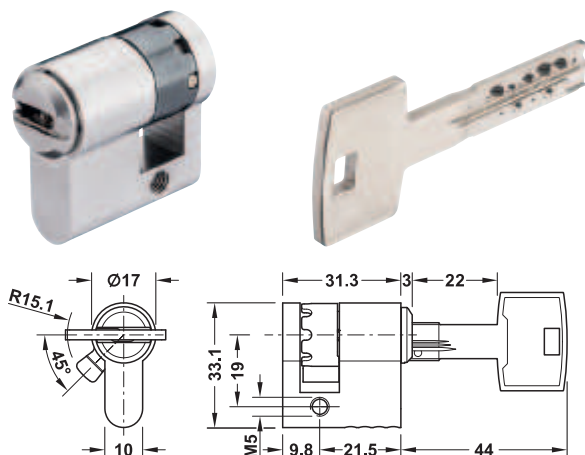
DIN L

DIN R



- ① Comfort function for inwards opening doors
- ② Comfort function for outwards opening doors
- ③ Public area
- ④ Guest room

## Single cylinder



- > Type of locking: Keyed alike
- > Locking system: With 3 pin tumblers
- > Material: Cylinder housing and key: Brass
- > Finish: Cylinder housing and key: Nickel plated
- > Length L: 31.3 mm
- > Dim. A: 21.5 mm
- > Dim. B: 9.8 mm

### Note

The single cylinder is suitable for smoke control or fire resistant doors.

### → Keyed alike

#### Supplied with

- 1 single cylinder
- 1 fixing screw M5 x 80 mm

	Key change	Cat. No.
Single cylinder, without key	1	916.80.221
	2	916.80.222
	3	916.80.223
	4	916.80.224
	5	916.80.225
	6	916.80.226
	7	916.80.227
	8	916.80.228
	9	916.80.229
	10	916.80.230

### Order reference

Please order suitable keys for cylinder separately.

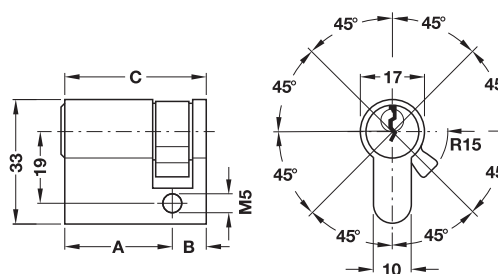
### → Key

#### Supplied with

- 1 extended key

	Key change	Cat. No.
Key	1	916.80.941
	2	916.80.942
	3	916.80.943
	4	916.80.944
	5	916.80.945
	6	916.80.946
	7	916.80.947
	8	916.80.948
	9	916.80.949
	10	916.80.950

## Single cylinder



- > Material: Cylinder housing: Brass
- > Locking system: With 5 pin tumblers
- > Version: Follower adjustable to 12 positions
- > Standard: Certified in compliance with DIN 18252-70 and EN 1303:2005

### Note

No secured locking.

#### Supplied with

- 1 single profile cylinder
- 3 nickel plated steel keys
- 1 fixing screw M5 x 80 mm

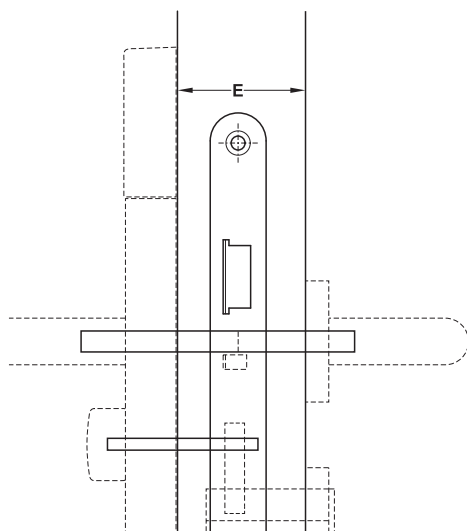
### → Keyed alike

Dim. A mm	Dim. B mm	Dim. C mm	S1 keyed alike	GLS keyed alike
27	10	37	916.22.701	916.23.301
31		41	916.22.702	916.23.302
35		45	916.22.703	916.23.303
40		50	916.22.704	916.23.304
45		55	916.22.705	916.23.305
50		60	916.22.706	916.23.306
55		65	916.22.707	916.23.307
60		70	916.22.708	916.23.308
65		75	916.22.709	916.23.309
70		80	916.22.710	916.23.310



## E Supplementary products

### Screw set



- > **Functionality:** For connecting the exterior/interior module and thumbturn with the mortice lock
- > **Material:** Stainless steel

#### Note

A special bit / screwdriver is required for mounting the cylinder screws with security pin.

#### Supplied with

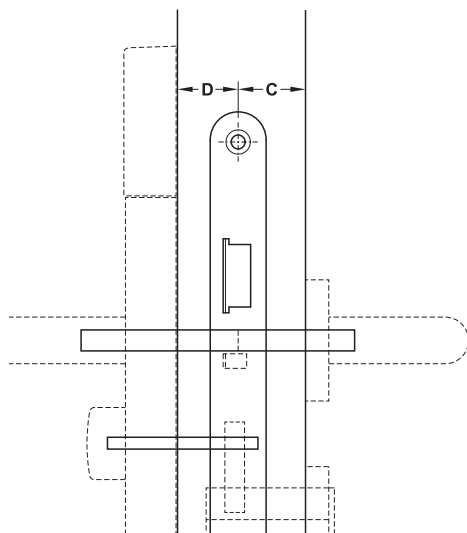
4 cylinder screws M4, hexagon socket SW3, with security pin

Version	Dim. E mm	Stainless steel			
		Satin	Black	Polished brass coloured	Polished
Screw set 1	35–45	917.80.851	917.80.881	917.80.871	917.80.861
Screw set 2	45–65	917.80.852	917.80.882	917.80.872	917.80.862
Screw set 3	65–85	917.80.853	917.80.883	917.80.873	917.80.863
Screw set 4	85–95	917.80.854	917.80.884	917.80.874	917.80.864

Processing and installation

► AH 3.21

### Square spindle set



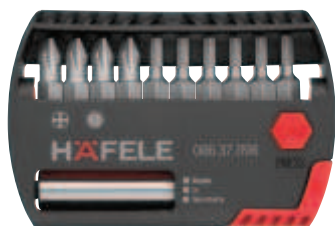
- > **Functionality:** For connecting the exterior and interior lever handle and thumbturn with the mortice lock
- > **Material:** Steel

#### Supplied with

2 spindles 9 mm  
1 (2) DND-S

Version	Dim. C mm	Dim. D mm	Cat. No.
Square spindle set 1	14–30	14–30	917.80.831
Square spindle set 2	14–30	30–45	917.80.832
Square spindle set 3	14–30	45–60	917.80.833
Square spindle set 4	30–45	14–30	917.80.834
Square spindle set 5	30–45	30–45	917.80.835
Square spindle set 6	30–45	45–60	917.80.836
Square spindle set 7	45–60	14–30	917.80.837
Square spindle set 8	45–60	30–45	917.80.838
Square spindle set 9	45–60	45–60	917.80.839

## Bit box



- > Area of application: For mounting the DT 700/DT 710 door terminal, for SW3 hex socket head screws with security pin and screws PH2
- > Length: 25 mm
- > Drive: 1/4"

### Supplied with

1 universal magnetic holder  
6 bits for SW3 hex socket head screws with drill hole for security pin  
4 PH2 bits

	Cat. No.
Bit box	006.37.098

## Screwdriver

For SW3 hex socket head screws,  
with security pin



	Cat. No.
Screwdriver	006.28.610

## Battery AA



- > Operating temperature: -18 to +55 °C with alkaline-manganese, -40 to +60 °C with lithium

### Note

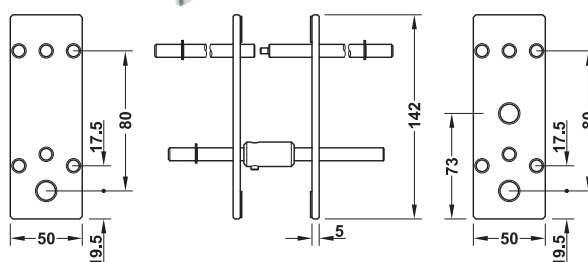
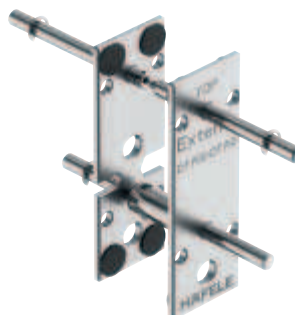
We recommend using these batteries only in order to guarantee smooth operation of the Dialock terminals.

	Packing	Cat. No.
Alkaline-manganese battery 1.5 V AA (standard)	10 or 120 pieces	910.54.980
Lithium battery 1.5 V AA	2 or 10 pieces	910.54.940

### Order reference

4 pieces required for one door terminal set.

## Drilling jig



- > Area of application: For work preparation for mounting the DT 700 / DT 710 door terminals on door

### Installation

Information on how to use the drilling jig can be found in the installation instructions for DT 700 / DT 710 door terminal. The installation instructions can be found in our online shop.

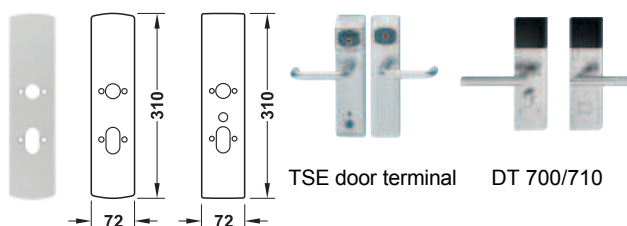
### Supplied with

2 steel plates (inside and outside)  
Centring pins with stop sleeves  
1 drill bit 13 mm  
1 drill bit 8 mm  
1 router bit

	Cat. No.
Drilling jig	917.90.016

## Cover plate

For covering the edge of the drillings for TSE door terminals



- > Area of application: For covering the installation holes (with possible colour deviations and pressure marks) when converting TSE door terminal to DT 700/710 door terminal
- > Material: Stainless steel
- > Finish: Satin

### Note

Also suitable for the use on fire resistant and smoke control doors. 2 cover plates are required for 1 door.

	Cat. No.
Cover plate for external terminal side	917.90.104
Cover plate with DnD aperture for internal terminal side	917.90.105


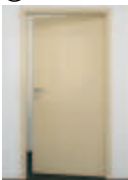
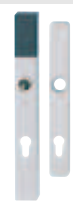








### Order reference

Minimum order quantity for cover plates is 20 pieces.




### Ordering product components

Step 2

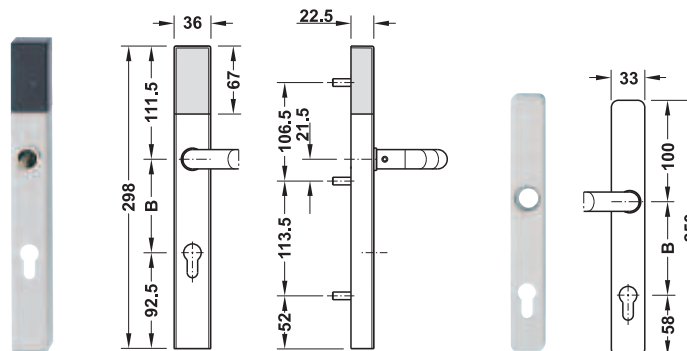
		Standard						Optional	
			(B)	(C)	(E)	(D)	(G)	(F)	
 									 
	Page	AH 3.23	AH 3.25	AH 3.26	AH 3.34	AH 3.34	AH 3.36	AH 3.35	Continue to step 3
		DT 600 door terminal set, without lever handle aperture parts, distance 72 mm, with lever follower 8 mm	Mortice lock	Lever handle aperture parts	Mounting material, for other door thicknesses	Profile cylinder	Batteries	Accessories for processing and installation	Programming and user keys
① For interior doors made from wood		✓	✓	✓	✓	✓	✓	✓	AH 3.67

Information about processing and installation can be found in our online shop

### Sample order

	For wooden interior door, flush 40 mm, distance 72 mm, lever follower 8 mm, backset 55 mm, inwards opening, lever handle pointing to the left, DIN left, battery-operated door terminal		
		<b>Door terminal set</b>	
	917.62.000	DT 600 door terminal set, with lever handle pointing to the left	AH 3.24
	(C)	<b>Lever handle aperture parts</b>	
	902.34.370	2 x lever handle aperture part, U-shape	AH 3.26
	(B)	<b>Mortice lock</b>	
	911.17.048	With deadlocking latchbolt and Quiet-Comfort	AH 3.25
	(D)	<b>Profile cylinder for mechanical emergency opening</b>	
	916.22.001	Double cylinder, keyed to differ	AH 3.34
	(E)	<b>Mounting material</b>	
	917.90.611	Mounting material for door thickness 41–51 mm	AH 3.34
	(F)	<b>Accessories for processing and installation</b>	AH 3.35
	(G)	<b>Maintenance tool</b>	AH 3.35
	910.54.980	2 x alkaline manganese battery 1.5 V AA	AH 3.36
Continue to step 3		<b>Programming and user keys</b>	AH 3.67

### Häfele Dialock DT 600 Door terminal module, for doors with standard requirements



Backplate exterior module with processor (access control)

Internal backplate

Door terminal module for interior doors, elegant and slim door terminal (Phoenix Design), satin stainless steel, operating unit: Plastic, polished black

#### Functionality

Battery-operated, intelligent door terminal, touchless activation with Dialock key

- > Blue/red LEDs for indication of locking and unlocking
- > Standard setting:
  - Unlocking with Dialock key and automatic locking after 3 seconds
- > The door can be opened without a key at any time from the inside.
- > Mechanical emergency opening possible
- > For service personnel:
  - Indication of programming status and when battery change is required
- > Unlocking and locking with Dialock key (toggle mode)
- > With real-time clock and audit trail of all processes
- > Infrared interface for programming
- > Backplate exterior module with battery compartment

#### Options (please order separately)

- > Colour coordinated lever handle aperture parts can be found in the Dialock range (special finishes on request)
- > Macro for extension of functions available on request

#### Technical data

Degree of protection	IP40
Ambient temperature (operation)	0 °C to +55 °C
Relative humidity	0–95 % (not condensed)
Battery service life	30,000 locking and unlocking processes
Spindle	8 mm
Distance	72 and 92 mm
Door thickness	41–91 mm
Electrostatic discharge (ESD)	Meets the requirements of EN 301 489 – 1
Voltage supply	Alkaline manganese battery 1.5 V AA (2 pieces)

#### Notes on operation and installation

Suitable for use with Dialock DIN mortice locks

#### Mechanical emergency opening

When using the optional mechanical emergency opening, please note the information sheet for determining the length of the double profile cylinder (operating instructions can be found in our online shop).

Installation on full panel door is possible with 8 mm mortice lock/spindle from backset 55 mm.

#### Outdoor version

- Only the backplate exterior module is suitable for outdoor use. More information can be found in our online shop.
- The outdoor version must be approved by Häfele for the respective installation site. Installation sites with special conditions, e.g. saline environment, are not possible. Please contact your responsible Häfele employee when ordering the product.

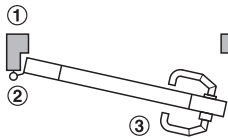
#### Battery change:

The type-specific discharge behaviour (considerable voltage drop at the end of the life time) of lithium batteries may cause that a low battery is indicated at the terminal only for a short period or not at all. We recommend changing the batteries before the winter months with the outdoor version.

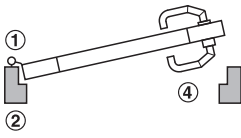
Determine lever handle and opening direction

- ① Interior module
- ② Exterior module (access control)

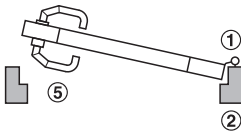
The opening direction inwards or outwards must be selected with the mortice lock.



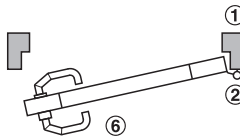
③ Exterior module with lever handle pointing to the left, outwards opening, DIN left mortice lock



④ Exterior module with lever handle pointing to the left, inwards opening, DIN right mortice lock

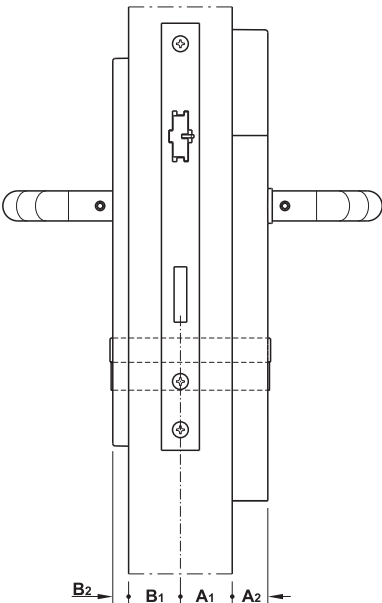


⑤ Exterior module with lever handle pointing to the right, inwards opening, DIN left mortice lock

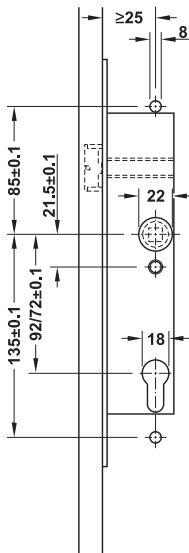


⑥ Exterior module with lever handle pointing to the right, outwards opening, DIN right mortice lock

Supplied with	Distance B mm	Suitable for	Cat. No.
<b>Exterior module with lever handle pointing to the left</b>			
1 exterior module with processor (without lever handle aperture part)	72	Interior doors	917.62.000
1 internal backplate (without lever handle aperture part)		External doors (outdoor version)	917.62.001
1 battery cover	92	Interior doors	917.62.002
		External doors (outdoor version)	917.62.003
<b>Exterior module with lever handle pointing to the right</b>			
1 exterior module with processor (without lever handle aperture part)	72	Interior doors	917.62.005
1 internal backplate (without lever handle aperture part)		External doors (outdoor version)	917.62.006
1 battery cover	92	Interior doors	917.62.007
		External doors (outdoor version)	917.62.008



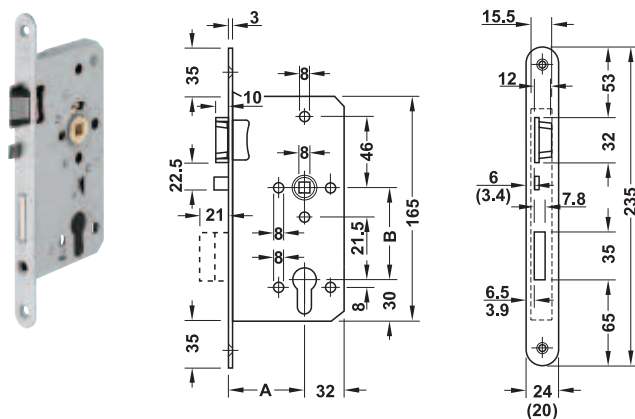
A Profile cylinder external length  
A<sub>1</sub> Door thickness outside  
A<sub>2</sub> Backplate exterior module thickness = 23 mm  
B Profile cylinder internal length  
B<sub>1</sub> Door thickness inside  
B<sub>2</sub> Backplate inside thickness = 10 mm  
  
A = A<sub>1</sub> + 23 mm  
B = B<sub>1</sub> + 10 mm  
  
Dim. A<sub>1</sub> and B<sub>1</sub> depend on the selected door.





### Mortice lock, profile cylinder

With deadlocking latchbolt and Quiet-Comfort



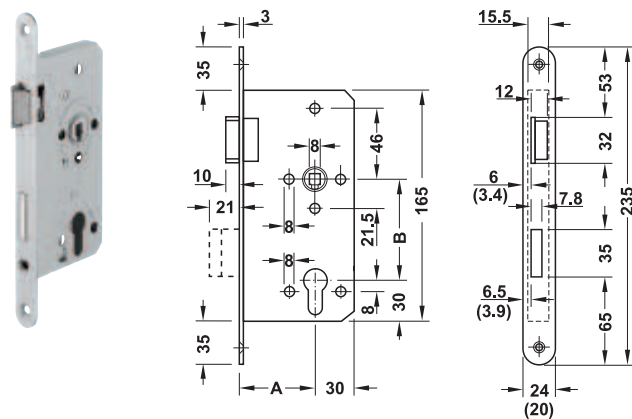
Dim. in brackets apply to forend width 20 mm

- > Area of application: For rebated (forend 20 mm) or flush (forend 24 mm) wooden doors, deadlocking latchbolt prevents the latchbolt from being pushed back, e.g. by a credit card
- > Material: Forend: Stainless steel, latchbolt and deadbolt: Zinc alloy, lever follower: Brass, deadlocking latchbolt and lock case: Steel
- > Type of locking: Prepared for profile cylinder
- > Deadbolt: 2-turn
- > Version: With key action, with Quiet-Comfort-Equipment for quiet closing of the door
- > Forend: Round
- > Lever follower: 8 mm
- > Distance B: 72 mm
- > Standard: Connection dimensions in compliance with DIN 18251, part 1

Forend width mm	Mounting	Satin stainless steel
<b>Backset A 55 mm</b>		
20	DIN left	911.17.032
	DIN right	911.17.033
24	DIN left	911.17.048
	DIN right	911.17.049
<b>Backset A 60 mm</b>		
20	DIN left	911.17.034
	DIN right	911.17.035
24	DIN left	911.17.050
	DIN right	911.17.051
<b>Backset A 65 mm</b>		
20	DIN left	911.17.036
	DIN right	911.17.037
24	DIN left	911.17.052
	DIN right	911.17.053
<b>Backset A 80 mm</b>		
20	DIN left	911.17.038
	DIN right	911.17.039
24	DIN left	911.17.054
	DIN right	911.17.055

### Mortice lock, profile cylinder

Grade 3



Dim. in brackets apply to forend width 20 mm

- > Area of application: For rebated (forend 20 mm) or flush (forend 24 mm) wooden doors
- > Material: Forend: Stainless steel, brass or steel, latchbolt and deadbolt: Zinc alloy, lever follower: Zinc alloy/steel, lock case: Steel
- > Type of locking: Prepared for profile cylinder
- > Deadbolt: 2-turn
- > Version: With key action
- > Forend: Round
- > Lever follower: 8 mm
- > Distance B: 72 mm
- > Standard: Certified in compliance with DIN 18251, part 1, grade 3 and EN 12209:2003

Forend width mm	Mounting	Satin stainless steel	Steel, silver colour lacquered
<b>Backset A 55 mm</b>			
20	DIN left	911.03.113	911.03.117
	DIN right	911.03.114	911.03.118
24	DIN left	911.03.119	911.03.123
	DIN right	911.03.120	911.03.124
<b>Backset A 60 mm</b>			
20	DIN left	911.03.125	911.03.199
	DIN right	911.03.126	911.03.200
24	DIN left	911.03.201	911.03.205
	DIN right	911.03.202	911.03.206
<b>Backset A 65 mm</b>			
20	DIN left	911.03.207	911.03.211
	DIN right	911.03.208	911.03.212
24	DIN left	911.03.213	911.03.217
	DIN right	911.03.214	911.03.218

Lever handle aperture parts for doors with standard requirements

> Functionality:	For DT 100 and DT 210 and DT 600 door terminals with distance 72 mm
> Area of application:	For interior doors, <b>the use on fire resistant and smoke control doors is not permitted</b>
> Spindle:	8 mm
> Material:	Stainless steel
> Installation:	With grub screw (SW 3 T-handle screw driver)



3

→ G-shape



	Finish	Cat. No.
	Satin	902.34.430

**Order reference**  
2 lever handle aperture parts must be ordered for each door terminal set.

→ U-shape



	Finish	Cat. No.
	Satin	902.34.370

**Order reference**  
2 lever handle aperture parts must be ordered for each door terminal set.

DGH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.

## Ordering product components

Step 2

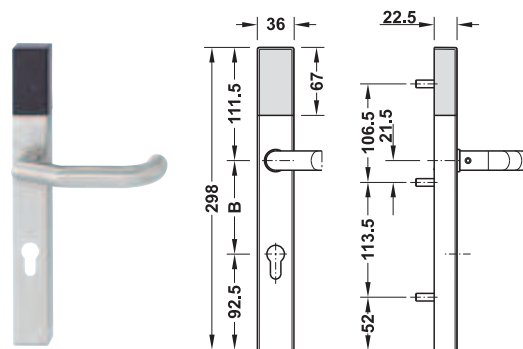
		Standard					Optional	
			(B)	(E)	(D)	(G)	(F)	
  ①								
	Page	AH 3.28	AH 3.31	AH 3.34	AH 3.34	AH 3.36	AH 3.35	Continue to step 3
		DT 600 FH door terminal set, with lever handle aperture parts, distance 92 mm, with lever follower 9 mm	Narrow frame mortice lock, suitable for the selected frame profile	Mounting material, for other door thicknesses	Profile cylinder	Batteries	Accessories for processing and installation	Programming and User keys
① For narrow frame doors		✓	✓	✓	✓	✓	✓	AH 3.67

Information about processing and installation can be found in our online shop

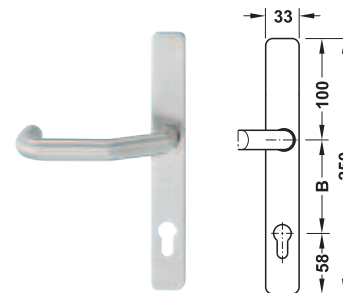
## Sample order

	For narrow frame door inside with requirements on fire resistance, frame thickness 42 mm, distance 92 mm, lever follower 9 mm, backset 40 mm, inward opening, lever handle pointing to the left, DIN right, battery-operated door terminal	
		<b>Door terminal set</b>
	917.62.030	DT 600 FH door terminal set, with lever handle pointing to the left
		AH 3.30
	(C)	<b>Lever handle aperture parts</b>
	–	Supplied
		–
	(B)	<b>Mortice lock</b>
	–	BKS 18xx or 19xx series (please order separately)
		–
	(D)	<b>Profile cylinder for mechanical emergency opening</b>
	916.22.001	Double cylinder, keyed to differ
		AH 3.34
	(E)	<b>Mounting material</b>
	917.90.611	Mounting material for door thickness 41–51 mm
		AH 3.34
	(F)	<b>Accessories for processing and installation</b>
		AH 3.35
	(G)	<b>Maintenance tool</b>
		AH 3.35
	910.54.980	2 x alkaline manganese battery 1.5 V AA
		AH 3.36
	Continue to step 3	<b>Programming and user keys</b>
		AH 3.67

## Häfele Dialock DT 600 FH Door terminal module, for doors with requirements on fire resistance and smoke control



Backplate exterior module  
with processor (access control)



Interior half set

Door terminal module for fire resistant and smoke control doors  
on narrow frame doors,  
elegant and slim door terminal  
(Phoenix Design),  
satin stainless steel,  
operating unit: Plastic, polished black

### Functionality

- Battery-operated, intelligent door terminal,  
touchless activation with Dialock key
- > Blue/red LEDs for indication of locking and unlocking
  - > Standard setting:
    - Unlocking with Dialock key and automatic locking after 3 seconds
    - > The door can be opened without a key at any time from the inside.
    - > Mechanical emergency opening possible
    - > For service personnel:
      - Indication of programming status and when battery change is required
    - > Unlocking and locking with Dialock key (toggle mode)
    - > With real-time clock and audit trail of all processes
    - > Infrared interface for programming
    - > Backplate exterior module with battery compartment

### Options (please order separately)

- > Macros for extension of functions available on request

### Technical data

Degree of protection	IP40
Ambient temperature (operation)	0 °C to +55 °C
Relative humidity	0–95 % (not condensed)
Battery service life	30,000 locking and unlocking processes
Spindle	9 mm
Distance	72 or 92 mm
Frame thickness	41–91 mm
Electrostatic discharge (ESD)	Meets the requirements of EN 301 489 – 1
Voltage supply	Alkaline manganese battery 1.5 V AA (2 pieces)
Panic exit device	Tested to EN 179/1125

### Notes on operation and installation

Mounting on narrow frame doors with narrow frame mortice lock from backset of 35 mm.

⚠ Planning by Dialock specialist is required.

- DT 600 FH door terminal sets must be installed and approved by the door manufacturer. If the terminal is installed without this approval, the Fire and Smoke Control Certificate for the fire resistant or smoke control door will be invalidated.

When installing as panic exit device in compliance with EN 179/1125, it is mandatory to observe the certificate of the approved mortice locks.

### Mechanical emergency opening

DT 600 FH door terminal sets must always be equipped with a double profile cylinder for mechanical emergency opening. When using the mechanical emergency opening, please note the information sheet for determining the correct length of the double profile cylinder (the operating instructions can be found in our online shop).

### ⚠ Outdoor version

- Only the backplate exterior module is suitable for outdoor use.

More information can be found in our online shop.

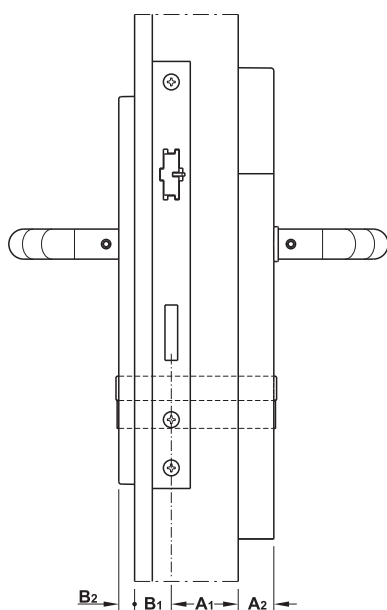
The outdoor version must be approved by Häfele for the respective installation site. Installation sites with special conditions, e.g. saline environment, are not possible.

Please contact your responsible Häfele employee when ordering the product.

### Battery change:

The type-specific discharge behaviour (considerable voltage drop at the end of the life time) of lithium batteries may cause that a low battery is indicated at the terminal only for a short period or not at all.

We recommend changing the batteries before the winter months with the outdoor version.

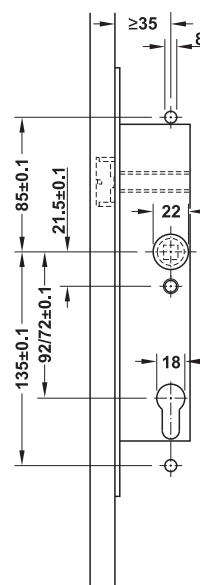


- A** Profile cylinder external length
- A<sub>1</sub>** Narrow frame thickness outside
- A<sub>2</sub>** Backplate exterior module thickness = 23 mm
- B** Profile cylinder internal length
- B<sub>1</sub>** Narrow frame thickness inside
- B<sub>2</sub>** Backplate inside thickness = 10 mm

$$A = A_1 + 23 \text{ mm}$$

$$B = B_1 + 10 \text{ mm}$$

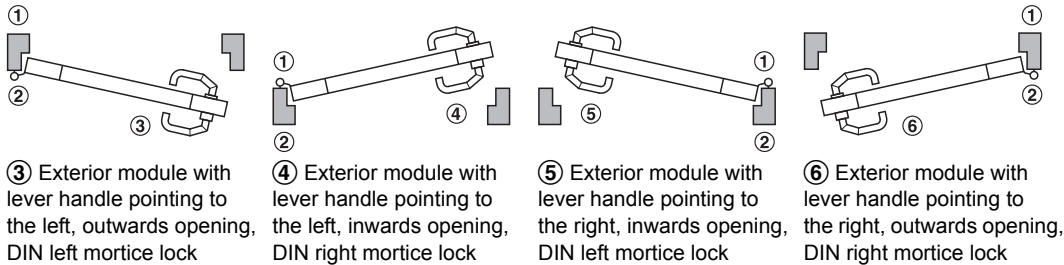
Dim. **A<sub>1</sub>** and **B<sub>1</sub>** depend on the selected narrow frame profile



Determine lever handle and opening direction

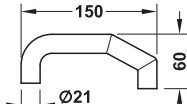
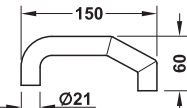
- ① Interior module
- ② Exterior module (access control)

The opening direction inwards or outwards must be selected with the mortice lock.



3



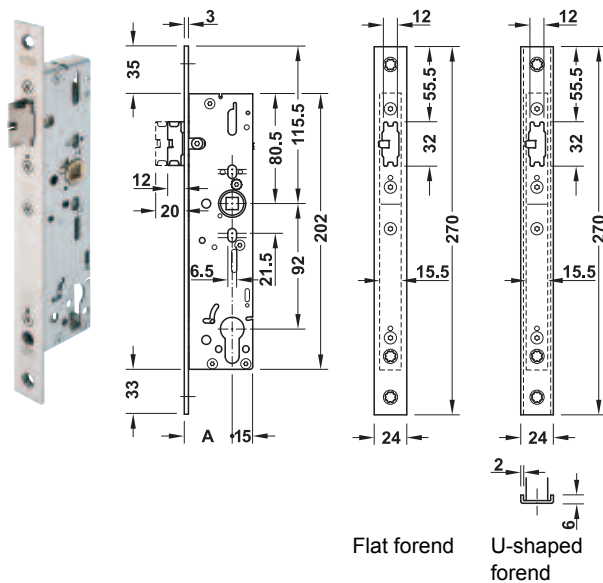
	Supplied with	Distance B mm	Suitable for	Cat. No.
Exterior module with lever handle pointing to the left				
	1 exterior module with processor and lever handle aperture part 1 battery cover 1 interior half set with lever handle aperture part	72	Interior doors External doors (outdoor version)	917.62.020 917.62.021
		92	Interior Doors External doors (outdoor version)	917.62.030 917.62.031
Exterior module with lever handle pointing to the right				
	1 exterior module with processor and lever handle aperture part 1 battery cover 1 interior half set with lever handle aperture part	72	Interior doors External doors (outdoor version)	917.62.025 917.62.026
		92	Interior doors External doors (outdoor version)	917.62.035 917.62.036

Order reference

Please order supplementary and optional components, e.g. double profile cylinder, mounting material and batteries, separately.

**B Mortice locks****Narrow frame mortice lock**

With alternating function E



- > Area of application: For single narrow frame doors
- > Material: Forend: Stainless steel, latchbolt, lever follower and lock case: Steel
- > Type of locking: Prepared for profile cylinder
- > Deadbolt: 1-turn
- > Version: With self-locking action
- > Forend: Flat square or U-shaped square
- > Lever follower: 9 mm
- > Distance: 92 mm
- > Standard: In compliance with EN 179 and EN 1125

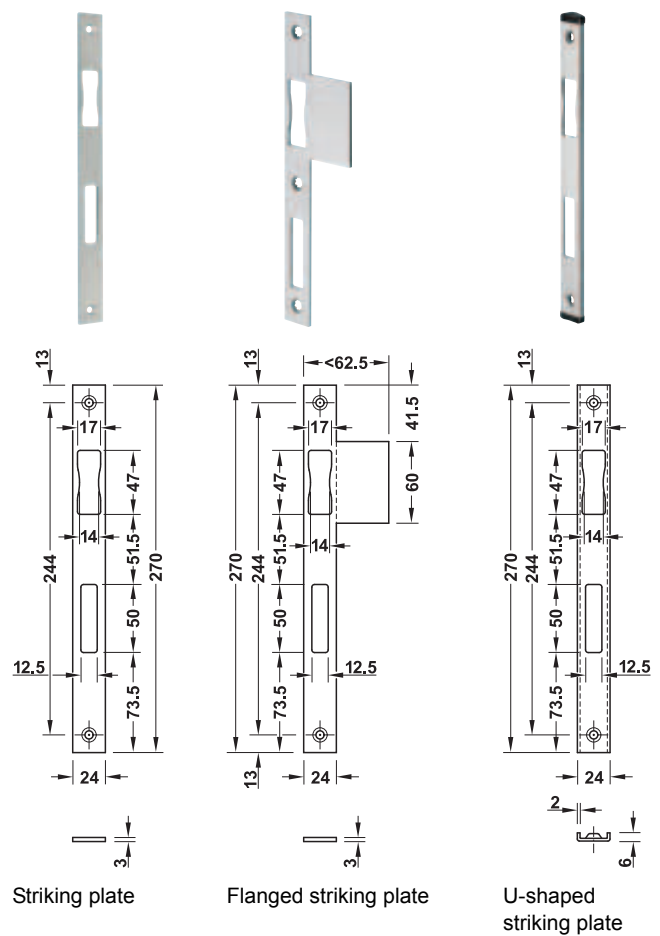
Forend	Mounting	Satin stainless steel
Backset A 35 mm		
Flat, 24 mm, square	For DIN left and DIN right hand use	911.75.840
U-shaped, 24 mm, square		911.75.843
Backset A 40 mm		
Flat, 24 mm, square	For DIN left and DIN right hand use	911.75.841
U-shaped, 24 mm, square		911.75.844
Backset A 45 mm		
Flat, 24 mm, square	For DIN left and DIN right hand use	911.75.842
U-shaped, 24 mm, square		911.75.845

**Order reference**

Other narrow frame mortice locks for e.g. individual narrow frame profiles, functions and versions from the BKS series 18xx and 19xx available on request.

**Striking plate**

For narrow frame mortice lock



- > Area of application: For narrow frame doors
- > Material: Stainless steel
- > Finish: Satin

Mounting	Square	Round
<b>Striking plate</b>		
For DIN left and DIN right hand use	911.39.756	–
<b>Flanged striking plate</b>		
DIN left	911.52.540	911.39.757
DIN right	911.52.541	911.39.758
<b>U-shaped striking plate</b>		
For DIN left and DIN right hand use	911.39.770	–

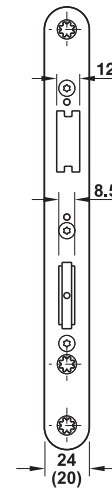
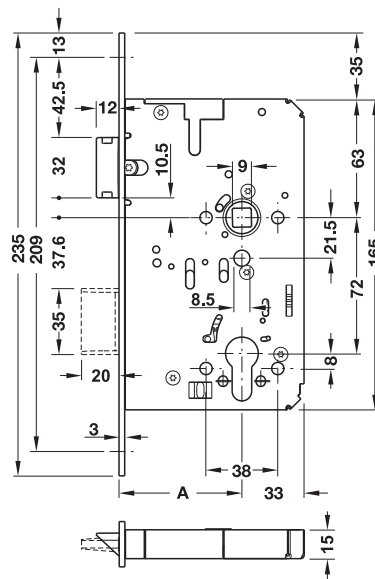


**B Mortice locks****B-2326 Mortice lock**

For single doors

B EN 179 EN 1125 

3

**Fire resistance and smoke control****F** For fire resistant and smoke control doors in compliance with DIN 4102 and fire resistant doors in compliance with EN 1634.

- > Area of application: For single, rebated or flush doors made from wood or steel, inwards/outwards opening doors (adjustable), prepared for profile cylinder
- > Material: Forend: Stainless steel, latchbolt and deadbolt: Steel, lock case: Steel
- > Finish: Forend: Satin, latchbolt and deadbolt: Nickel plated, lock case: Galvanized
- > Deadbolt: 1-turn
- > Version: With key action
- > Forend: 20 or 24 mm
- > Lever follower: Continuous 9 mm

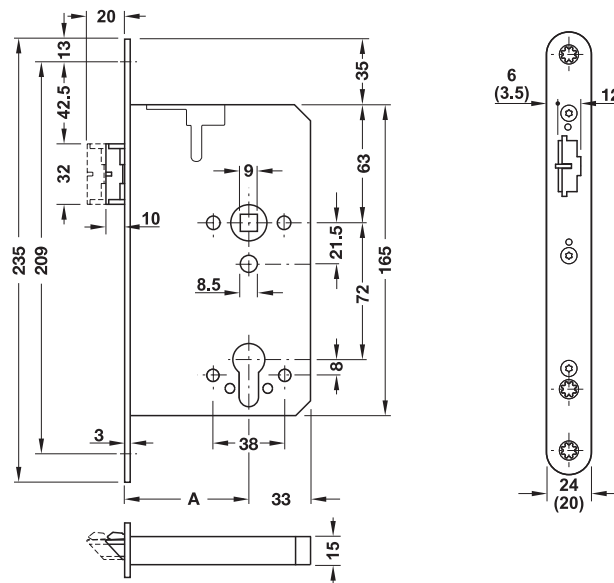
Standard	Activation type	Class
EN 179:2008	–	3 7 7 B 1 3 4 2 A B/D
EN 1125:2008	Touchbar	3 7 7 B 1 3 2 1 A B
	Push bar	3 7 7 B 1 3 2 2 B B

(Note: The EN 179:2008 and EN 1125:2008 standards are only met in conjunction with jointly tested fitting sets.)

Forend width mm	Mounting	Cat. No.
<b>Backset A 65 mm</b>		
20	DIN left	911.52.714
	DIN right	911.52.715
24	DIN left/DIN right (reversible)	911.52.716

**B Mortice locks****B-2116 Mortice lock**

For single doors

B EN 179 EN 1125 **Fire resistance and smoke control****F** For fire resistant and smoke control doors in compliance with DIN 4102 and fire resistant doors in compliance with EN 1634.

- > Area of application: For single, rebated or flush doors made from wood or steel, inwards/outwards opening doors (adjustable), prepared for profile cylinder
- > Material: Forend: Stainless steel, latchbolt: Steel, lock case: Steel
- > Finish: Forend: Satin, latchbolt: Nickel plated, lock case: Galvanized
- > Deadbolt: 1-turn
- > Version: With key action, latchbolt is pre-locked by 20 mm automatically when the door is being closed.
- > Forend: 20 or 24 mm
- > Lever follower: Continuous 9 mm

Standard

EN 179:2008

EN 1125:2008

Activation type

–

Touchbar

Push bar

Class

3	7	7	B	1	3	4	2	A	B/D
3	7	7	B	1	3	2	1	A	B
3	7	7	B	1	3	2	2	B	B

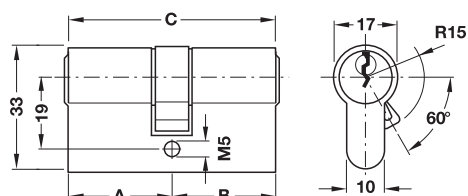
(Note: The EN 179:2008 and EN 1125:2008 standards are only met in conjunction with jointly tested fitting sets.)

Forend width mm	Mounting	Cat. No.
<b>Backset A 65 mm</b>		
20	DIN left	911.52.080
	DIN right	911.52.081
24	DIN left/DIN right (reversible)	911.52.082

## Startec Double cylinder



3



- > Type of locking: Keyed to differ, S1 or GLS keyed alike
- > Locking system: With 5 pin tumblers
- > Standard: Certified in compliance with DIN 18252-70 and EN 1303:2005
- > Material: Cylinder housing: Brass
- > Finish: Cylinder housing: Nickel plated

### Note

No secured locking.

### Supplied with

- 1 double profile cylinder
- 3 nickel plated steel keys
- 1 fixing screw

### → Keyed to differ

Dim. A mm	Dim. B mm	Dim. C mm	Cat. No.
27	27	54	916.22.001
	31	58	916.22.002
	35	62	916.22.003
	40	67	916.22.004
	45	72	916.22.005
	50	77	916.22.006

### → Keyed alike

Dim. A mm	Dim. B mm	Dim. C mm	S1 keyed alike	GLS keyed alike
27	27	54	916.22.101	916.23.001
	31	58	916.22.102	916.23.002
	35	62	916.22.103	916.23.003
	40	67	916.22.104	916.23.004
	45	72	916.22.105	916.23.005
	50	77	916.22.106	916.23.006

## Mounting material

→ For doors with standard requirements



- > Area of application: For doors with standard requirements, **the use on fire resistant and smoke control doors is not permitted**
- > Spindle: 8 mm
- > Material: Spindle and threaded screw: Steel
- > Finish: Spindle: Yellow galvanized, threaded screw: Galvanized

### Supplied with

- 1 spindle
- 3 threaded screws, M5
- 2 grub screws for lever handle aperture parts

Door thickness mm	Spindle	Cat. No.
36–41	8 x 80 mm	917.90.500
41–51	8 x 80 mm	917.90.501
51–61	8 x 90 mm	917.90.502
61–71	8 x 100 mm	917.90.503
71–81	8 x 110 mm	917.90.504
81–91	8 x 120 mm	917.90.505

→ For doors with requirements on fire resistance and smoke control



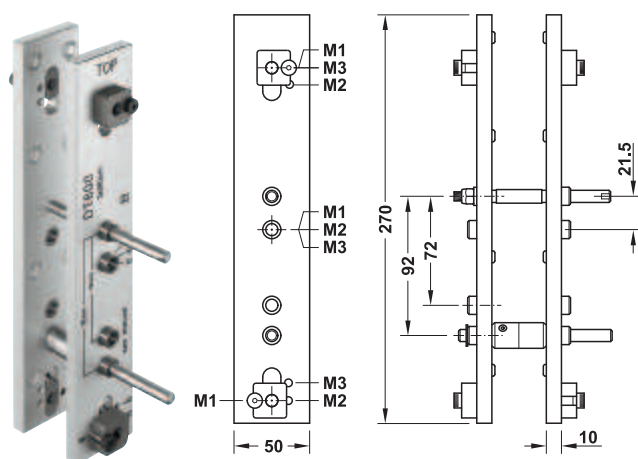
- > Spindle: 9 mm
- > Material: Spindle and threaded screw: Steel
- > Finish: Spindle: Yellow galvanized, threaded screw: Galvanized

### Supplied with

- 1 spindle, 9 mm
- 3 threaded screws, M5
- 1 grub screw for lever handle aperture part

Door thickness mm	Spindle	Cat. No.
36–41	9 x 80 mm	917.90.610
41–51	9 x 80 mm	917.90.611
51–61	9 x 90 mm	917.90.612
61–71	9 x 100 mm	917.90.613
71–81	9 x 110 mm	917.90.614
81–91	9 x 120 mm	917.90.615

## Drilling jig



> Functionality: For work preparation for DT 600 door terminals on narrow frame doors

### Technical data

Drilling dim.	3 x Ø 8 mm continuous
Distance	72 mm for DT 600 92 mm for DT 600 FH (drilling holes into the narrow frame door must be approved by the door manufacturer for doors with requirements on fire resistance/smoke control)

### Installation

The mounting plate of the DT 600 door terminal is marked with M1, M2 or M3. The drilling jig must be positioned in accordance with this specification.  
A detailed description for the use of the drilling jig can be found in the operating instructions in our "One Web" online shop.

	Cat. No.
Drilling jig	917.90.011

### → Drill bit Ø 8 mm

> Area of application: For drilling through hole for threaded screws on narrow frame doors

	Cat. No.
HS steel twist drill bit	001.41.248

Packing: 10 pieces

## SW 2.5 screwdriver



> Area of application: For mounting the battery compartment

	Cat. No.
SW 2.5 screwdriver	006.32.002

## SW 3 T-handle screw driver



> Area of application: For mounting lever handle aperture parts  
> Version: With integrated lateral drive for easy loosening and tightening of screw connections that are extremely tight or bonded  
> Dim.: 3 x 100 mm

	Cat. No.
SW 3 T-handle screw driver	006.32.013

Battery AA



- > Operating temperature: -18 to +55 °C with alkaline-manganese, -40 to +60 °C with lithium

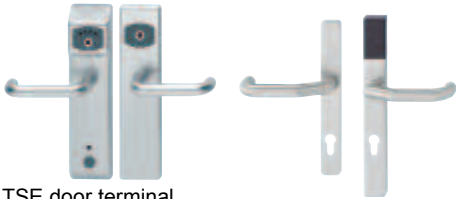
**Note**  
The lithium battery has an up to 7 times longer life time than the alkaline-manganese battery.

**Note**  
We recommend using these batteries only in order to guarantee smooth operation of the Dialock terminals.

	Packing pieces	Cat. No.
Alkaline-manganese battery 1.5 V AA (standard)	10 or 120	910.54.980
Lithium battery 1.5 V AA	2 or 10	910.54.940

Cover plate

For covering the drill holes for TSE door terminals



TSE door terminal

- > Area of application: For covering the installation holes (with possible colour deviations and pressure marks) when replacing TSE door terminal with DT 600 door terminal
- > Material: Stainless steel
- > Finish: Satin
- > Dim. (L x W): 310 x 72 mm

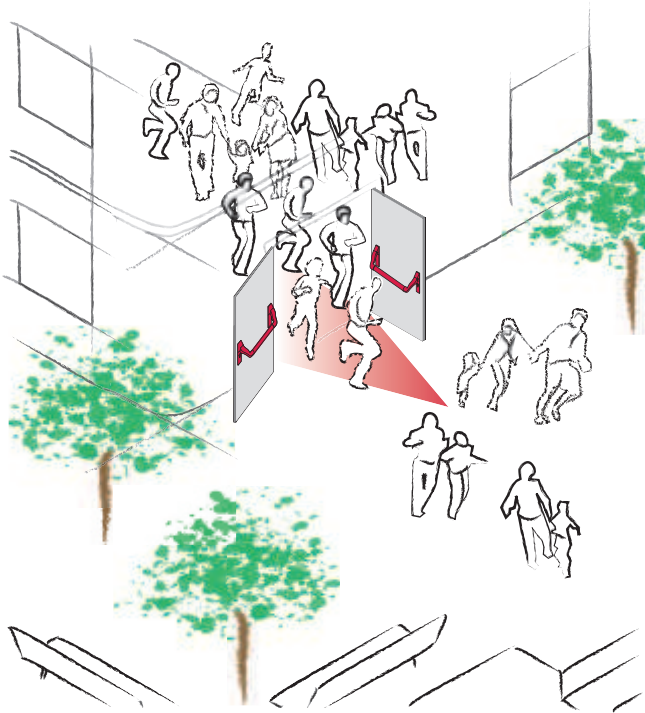
**Note**  
Also suitable for the use on fire resistant and smoke control doors. 2 cover plates are required for 1 door.

	Cat. No.
Cover plate	917.90.103

### Emergency exit door systems

Panic exit devices for emergency exit doors on escape routes are used on escape and rescue routes in order to save lives. Protecting people in buildings is top priority when doors are being designed – not just in the event of fire but in any panic situation.

#### Panic exit devices



#### EN 1125

The panic exit devices in compliance with EN 1125 are used in public buildings. Visitors are not aware of the escape and rescue routes and the function of the panic exit device for doors on escape routes, but must be able to open the doors intuitively in an emergency. If the future use of a building is unknown, the panic exit devices in compliance with EN 1125 must be included in the planning.

#### Panic exit devices must be used in:

- > Hospitals
- > Public administrations and buildings with public traffic
- > Schools and universities
- > Discotheques, cinemas, concert halls and other function rooms
- > Hotels
- > Airports and other highly-frequented buildings
- > Shopping centres



The door can be opened with the panic push bar at any time from the inside.

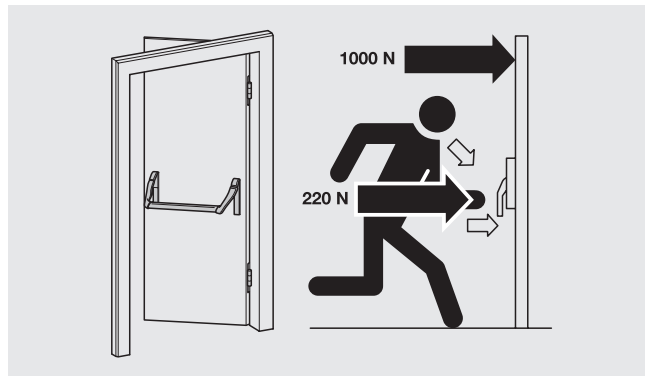
### Easy to open

Panic exit devices in compliance with EN 1125 must open with a maximum opening force of 80 N. Panic exit devices are also tested to ensure that the release pressure does not exceed 220 N with a pre-load of 1,000 N. This ensures that the emergency exit doors can be opened in panic situations with crowds of people pushing against them.



These values also apply to double door elements and for locking systems with additional locking elements such as shoot bolts or multiple locking devices.

Panic exit devices for doors on escape routes are subjected to vandalism testing and durability testing that provide proof of suitability for everyday use.



### Secure escape in 1 second

The full width of emergency exit doors must open. Panic exit devices with a flat overlay do not protrude as much and therefore leave a wider escape route open. This version can save lives in hazardous situations.

Panic exit devices for doors on escape routes in compliance with EN 1125 ensure that emergency exit doors can be opened manually within 1 second without key activation and that people can exit safely.

The operating elements are designed in compliance with EN 1125 in such a way that persons who are escaping cannot become caught on the operating elements and injure themselves and can escape in the event of danger. Panic push bars are designed in such a way that escaping persons cannot get their hands trapped in them.

### Tested unit consisting of lock, fitting and mounting accessories

When products from different manufacturers are combined, practical experience has shown that not all combinations are problem-free. For this reason, EN 1125 has an important new addition: The lock, the fitting and the mounting accessories of the emergency exit door systems are tested jointly and may only be used as a tested unit. The components of approved emergency exit door systems may be tendered for and sold separately. The responsibility for correct assembly and installation lies with the installation company.

Practical testing such as the vandalism test and further comprehensive coordination of all individual components makes installation easier and durability is significantly improved.

Since 01.04.2003, all new products have been approved accordingly, and have been given a classification key as well as CE marking. The classification key specifies the possible uses that have been tested in each case, therefore making it easier to check that the components have been correctly assembled during building work acceptance. The standards are included in building regulations list part B (European harmonised building products) and must be used via the national building codes in conjunction with the sample construction legislation.

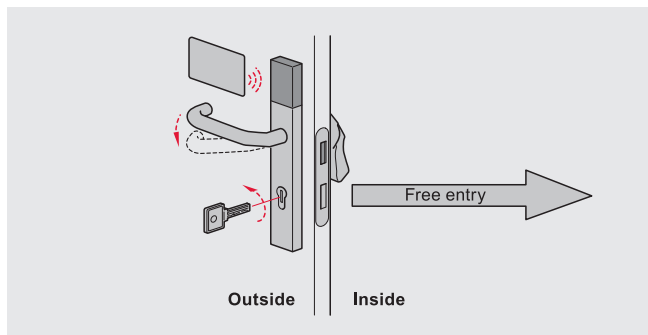


### Alternating function E

The door can only be opened with the key card, key tag or mechanical key from outside because of the DT 600 exterior module.

The alternating function E is used for:

- > Doors for transformer stations and heating plant rooms
- > Lift systems
- > Underground car parks
- > Entrance doors for warehouses and commercial buildings

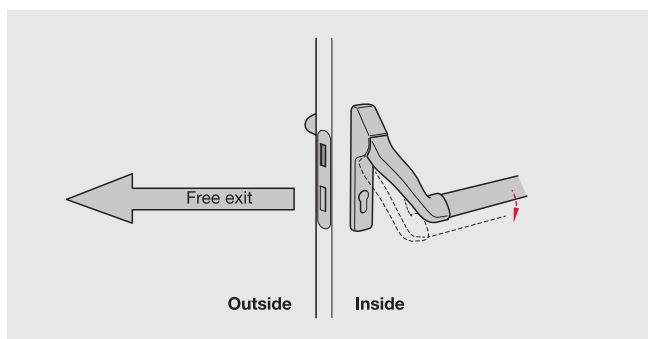


#### Basic setting: Function from outside

The DT 600 exterior module is used as the fitting. Entry to the inside only possible with the key card, key tag or mechanical key. The latchbolt is retracted by presenting the card/tag or turning the key.

#### Lock

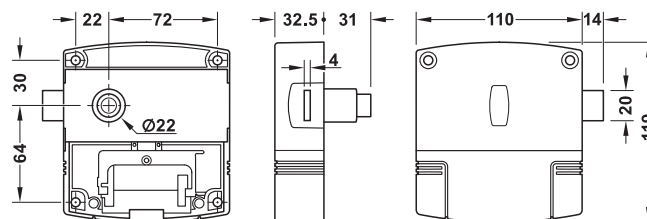
Automatic latchbolt and deadbolt are automatically locked with automatic locks.



#### Function from inside

The door can be opened to the outside by operating the bar handle/ push bar at any time (escape direction).

### LockerLock LL 200 Set



- > Area of application: Battery-operated, intelligent locker lock for indoor use: For wardrobes, lockers and compartment cabinets with doors made from wood or HPL
- > Version: Factory settings for right doors, can be adapted to left doors, batteries theft-proof, **magnetic interactions cannot take place**, integrated real-time clock for audit trail of all processes, acoustic feedback for unlocking and locking, programming/data transfer with MDU via RFID interface
- > Functionality: "Fixed allocation" function, battery monitor: As soon as the battery change is indicated, the locker can still be unlocked, but not locked again, emergency opening possible with master key
- > Colour: Housing: Anthracite
- > For door width: With butting overlay door: Min. 140 mm, with butting inset door: Min. 305 mm (sample measurements, exact dimensions depend on the hinge)
- > For door thickness: 13–19 mm
- > Data transfer with MDU via RFID interface

Technical Data	
Degree of protection	IP20
Ambient temperature	0–50 °C
Relative humidity	10–90 % (not condensed)
Number of possible Dialock keys	Up to 1000
Number of audit trail entries	1000
Batteries (4 pieces)	AA 1.5 V type E91
Battery service life	Approx. 50000 locking and unlocking processes

**LockerLock LL 200** for use with PK programming key card, PK clearing key card, KT key tag or KB key wristband. Can be programmed in Stand-Alone mode with PK programming card and PK clearing key card or with MDU 110/software.

#### "Free choice of locker" function:

Three free choice of locker versions are available: These can be programmed during start-up using the software or MDU 110.

Operating and installation instructions can be found in OneWeb on the Häfele homepage in TecService under the respective Cat. No..

#### "Fixed locker allocation" function:

One or several (optional) Dialock keys are allocated to one or several (optional) lockers for locking and unlocking.

#### Battery change:

We recommend changing all of the batteries when battery change is required. The maintenance tool is required to open the battery compartment.

The type-specific discharge behaviour (considerable voltage drop at the end of the life time) of lithium batteries may cause that a low battery is indicated at the terminal only for a short period or not at all.

#### Emergency opening with master key:

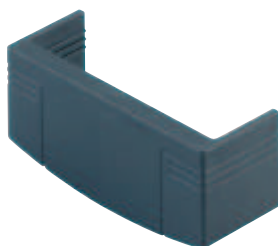
The PK programming key card and PK clearing key card can be used for emergency opening.

### Note

- ! Installation reference for metal doors: Installation restricted, only possible on metal doors with thickness of max. 7 mm.
- Construction/installation must be tested on a sample before use. Programming and user keys must also be tested on site. LockerLock must be able to process all signals without restrictions.

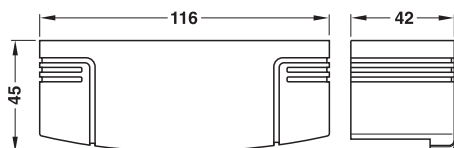
	Technology	Supplied with	Cat. No.
LockerLock LL 200 set	Mifare Classic, Mifare DESfire EV2, Tag-it™ ISO	1 LockerLock LL 200 1 set of operating instructions in the form of pictograms, self-adhesive 1 number plate without numbering	231.91.001

### → Maintenance tool



- > Functionality: For opening the battery cover of LockerLock
- > Material: Plastic
- > Colour: Anthracite

	Cat. No.
Maintenance tool	231.80.100



### → Battery



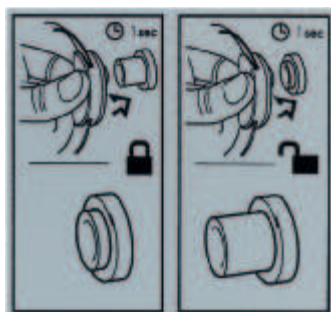
- > Version: Alkaline-manganese battery 1.5 V AA (standard) or lithium battery 1.5 V AA (up to 7 times longer life time)
- > Operating temperature: -18 to +55 °C with alkaline-manganese, -40 to +60 °C with lithium

	Packing pieces	Cat. No.
Alkaline-manganese battery 1.5 V AA	10 or 120	910.54.980
Lithium battery 1.5 V AA	2 or 10	910.54.940

### Note

We recommend using these batteries only in order to guarantee smooth operation of the Dialock terminals.

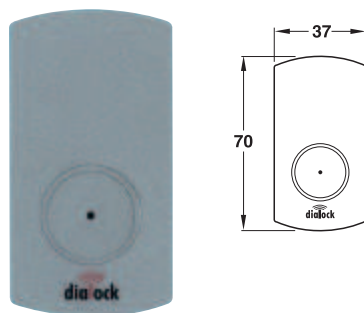
### → LockerLock Operating instructions



- > Functionality: Short graphical instructions for using LockerLock
- > Area of application: For sticking onto door (inside and outside)
- > Version: Self-adhesive foil
- > Material: Plastic
- > Colour: Silver coloured
- > Dim.: 65 x 69 mm

	Cat. No.
LockerLock operating instructions	231.81.200

### → Number plate, neutral



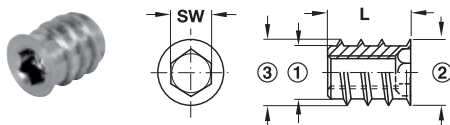
- > Functionality: To identify lockers where LockerLock is used
- > Area of application: For sticking onto door
- > Version: Self-adhesive
- > Material: Plastic
- > Colour: Silver coloured
- > Dim.: 70 x 37 mm
- > Drill hole Ø: 22.3 mm

	Cat. No.
Number plate, neutral (without number)	231.81.100

#### Order reference

Numbering available on request.

### → Screw-in sleeve



- ① Body Ø
- ② Head Ø
- ③ External thread Ø

- > Material: Steel
- > Finish: Bright
- > Version: Hexagon socket
- > Drive: Without rim

Internal thread	Length L mm	Packing pieces	Cat. No.
M4	10	100 or 2000	030.07.042
M5	12	100 or 1000	030.07.053

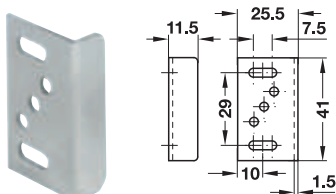
### → Single sleeves



- > Material: Polyamide
- > Colour: Natural colour

For drill hole Ø mm	Length L mm	External thread Ø mm	Cat. No.
<b>M4 internal thread</b>			
8	8	8.5	039.33.140
	10	8.5	039.33.042
10	13	11.0	039.33.033
	10	11.0	039.33.239













### → Angled striking plate





- > Material: Steel
- > Adjustment facility: Slot for different bolt distances
- > Installation: For screw fixing

Finish	Cat. No.
Nickel plated	239.47.604

### Ordering product components

		Standard				Optional			
				E		E			
									
①		Page	AH 3.45	AH 3.48	AH 3.57	AH 3.54		AH 3.55	
②			WRU 200 or WRU 220 wall reader	WTC 200 controller	Power supply	Electric strike, Reed sensor, multiple locking device, motorised mortice lock	ESS 100 energy control terminal	Automatic circuit breakers and relays	Installation accessories
①	For external doors made from wood, metal, glass or narrow frame	–	✓	✓	✓	✓	✓	✓	
		Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125, are possible if the door structure also meets the respective requirements.							
	EN 179								
	EN 1125								
②	For interior doors made from wood, metal, glass or narrow frame	–	✓	✓	✓	✓	✓	✓	
		Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125, are possible if the door structure also meets the respective requirements.							
	EN 179								
	EN 1125								



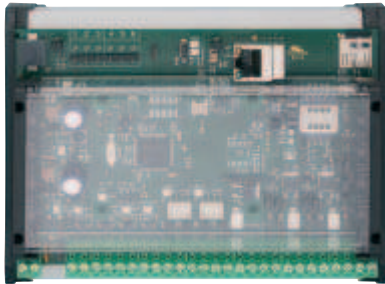
Programming user keys

AH 3.67

### Sample order

	For entrance door, projects, mains-operated wall terminal with Dialock design		
		<b>WT 200 Wall terminal set</b>	
	917.91.078	Set consists of: > WRU 200 wall reader > WTC 200 controller	AH 3.44
	Ⓔ	<b>Power supply</b>	
	917.93.013	DC power supply unit, regulated	AH 3.57
	Ⓔ	<b>Lock</b>	
	911.49.053	Multiple locking device	
	911.49.042	Secury A-Opener	
	911.39.380	2 x strike plate	
	911.39.392	Angled security striking plate	
	Ⓔ	<b>Automatic circuit breakers and relays</b>	
	Ⓔ	<b>Installation accessories</b>	AH 3.55
	<b>Optional</b>		
	Automatic circuit breakers, relays and installation accessories as required		
	Energy control terminal for hotels, additional wall reader on opposite side as required		
		<b>Programming and user keys</b>	AH 3.67

Häfele Dialock WT 200 Wall terminal



> Area of application: For use as authorisation writer, block lock function, for controlling any type of doors, gates, car park barriers, furniture and furnishings, lights, alarm systems, video surveillance,...

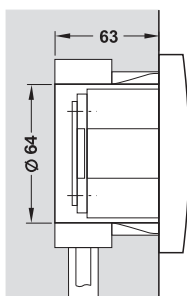
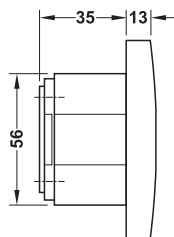
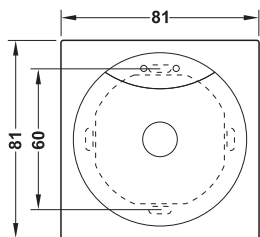
Supplied with	Cat. No.
1 WRU 200 wall reader 1 WTC 200 controller	917.91.078

Order reference

Please order supplementary and optional components, e.g. energy control terminal, voltage supply and lock, separately.

WRU 200 wall reader	► AH 3.45
WTC 200 controller	► AH 3.48

Häfele Dialock WRU 200 Wall reader



Space requirement  
flush-mount socket

WRU 200 wall reader (writer and reader unit), plastic, anthracite/silver coloured, for combination with WTC 200 controller

**Functionality**

- Mains-operated wall terminal, touchless activation with Dialock key
- > Red/green LEDs for indication of locking and unlocking
  - > For service personnel: Indication of operating status (e.g. offline)

Technical data	
Degree of protection	IP65
Ambient temperature (operation)	–25 °C to +70 °C with temperature monitoring
Voltage supply	12–24 V DC ±15%
Current consumption	0.8 W
RFID	f = 13.56 MHz
Indication	1 x LED red, 1 x LED green
Interface	1 x RS-485, automatic baud rate detection
Relative humidity	10–95 % (not condensed)
Connection	Terminal clamps for e.g. J-Y(St)Y2x2x0.8, max. 100 m
Dimensions	Width 81 mm, height 81 mm, depth 13 mm (surface mounted) 35 mm (flush mounted)

**Notes for operation and installation**

Connection between WRU 200 wall reader and WTC 200 controller with four core installation cable in compliance with VDE 0815: Type J-Y(St)Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 100 m, please contact Dialock specialist for other lengths.

Installation of wall reader in flush-mount socket with 2 device fastening screws (distance 60 mm in compliance with DIN). Make sure the fastening points on the flush-mount socket are horizontal.

Minimum distance between 2 wall readers 250 mm.

The installation of the wall reader in metal surroundings must be planned.

Supplied with	Cat. No.
1 WRU 200 wall reader	917.91.072

**Order reference**

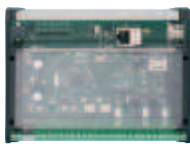
Please order supplementary and optional components, e.g. energy control terminal, voltage supply and lock, separately.



Häfele Dialock WT 220 Wall terminal set



Häfele Dialock  
WRU 220 wall reader



WTC 200 controller



3

**Recommendation:** WRU 220 wall reader with Gira 55 system frame, glossy pure white

> Area of application: Use as authorisation writer, block lock function, for controlling any type of door, gates, car park barriers, furniture and furnishings, lights, alarm systems, video surveillance...

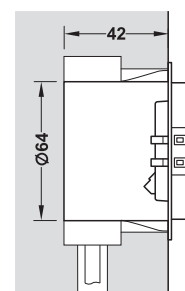
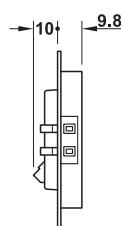
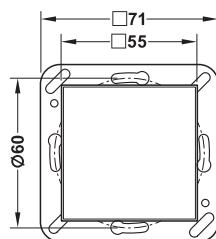
Supplied with	Cat. No.
1 WRU 220 wall reader (without frame)	917.91.087
1 WTC 200 controller	

**Order reference**

More information on the WT 220 wall terminal set can be found in the descriptions of the individual components (WRU 220 wall reader, WTC 200 controller).

The frame (Gira or Siedle) for the WRU 220 wall reader is not supplied, please order separately as well as supplementing and optional components such as energy control terminal, voltage supply and lock.

### → Häfele Dialock WRU 220 Wall reader



WRU 220 wall reader (writer and reader unit),  
for combination with WTC 200 controller

#### Functionality

Mains-operated wall reader, touchless activation  
with Dialock key

- > Red/green LEDs for indication of locking and unlocking
- > For service personnel: Indication of the operating status (e.g. offline)

#### Technical data

Degree of protection	IP00 wall reader without frame IP20 wall reader with Gira frame IP44 wall reader with Gira TX_44 system frame IP54 with Siedle blind module
Ambient temperature (operation)	–25 °C to +65 °C with temperature monitoring
Voltage supply	12–24 V DC ±10%
Current consumption	0.8 W
RFID	f = 13.56 MHz
Indication	1 x LED red, 1 x LED green
Interface	1 x RS-485, automatic baud rate detection
Relative humidity	10–95 % (not condensed)
Connection	Terminal clamps for e.g. J-Y(St)Y2x2x0.8, max. 100 m
Dimensions	Width 71 mm, height 71 mm, depth 20 mm

#### Notes on operation and installation

Connection between WRU 220 wall reader and WTC 200 controller with four core installation cable in compliance with VDE 0815: Type J-Y(St)Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 100 m (please contact Dialock specialist for other lengths).

Installation of wall reader in flush-mount socket with 2 device fastening screws (distance 60 mm in compliance with DIN).  
Make sure the fastening points on the flush-mount socket box are horizontal.

Minimum distance between 2 wall readers 250 mm.

The installation of the wall reader in metal surroundings must be planned.

#### Supplied with

1 WRU 220 wall reader (without frame), including configuration transponder No. 20 (for addressing the wall reader)

#### Cat. No.

917.91.086

#### Order reference

Frame for customised design not supplied, please order separately.

Suitable frames (Gira and Siedle)

> Gira: 55 system and TX\_44 system

> Siedle: BM 611-0 blind module (must be provided on site)

Please order supplementary and optional components, e.g. energy control terminal, voltage supply and lock separately.

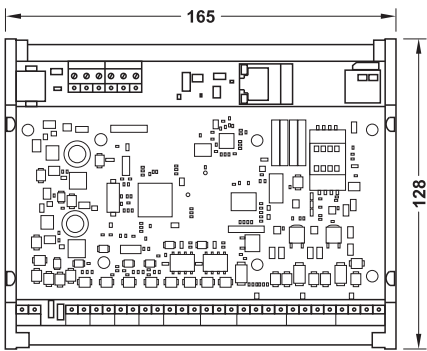
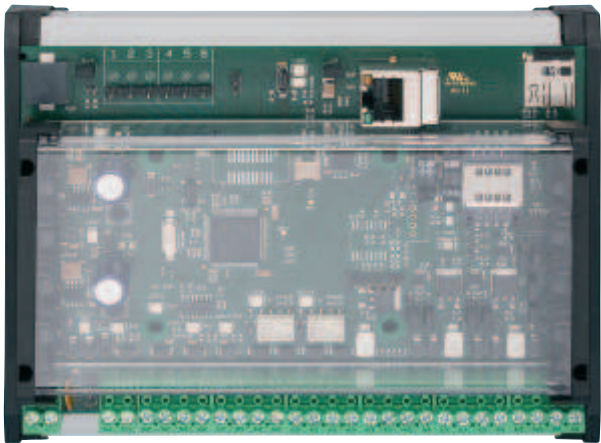
Ordering product components

► AH 3.43

Gira frames

► AH 3.56

→ Häfele Dialock WTC 200 Controller



WTC 200 controller made from plastic, anthracite/silver coloured, for combination with WRU 200 or WRU 220 wall reader

**Functionality**

- Mains-operated, intelligent controller for online operation
- > Use as authorisation writer and/or wall terminal, block lock function
  - > Selective control of up to 2 electrical devices
  - > Plug & Play installation, configures all system parameters on an SD card using the software
  - > Authorisation writer for updating authorisations at offline terminals
  - > Indication of operating status in the Dialock 2.0 software
  - > Just-in-time modifications of authorisations
  - > With integrated real-time clock for programming time restricted locking authorisations (setting of time zones)
  - > With audit trail of all processes
  - > With 4 input ports for analysing input signals (e.g. reed contact for door monitoring). In combination with electric strike or mortice lock with feedback contact, this allows visual overall monitoring the status of the locking system.
  - > Change configurations and update firmware online with the Dialock 2.0 software

**Options (please order separately)**

- > WTX 200 I/O extension with 3 relay output ports and 4 analogue input ports
- > 8-way relay module with 8 relay output ports and 1 analogue input port

**Technical Data**

Degree of protection	IP30 (sheet steel housing), installation on hat rail depends on housing
Ambient temperature (operation)	0 °C to +50 °C
Voltage supply	12–24 V DC ±15%
Current consumption	1.5 W
CPU	32 bit 168 MHz Cortex M4
Interfaces	1 x Ethernet 10/100 Mbit/s 3 x RS-485 interfaces with power supply 2 x relay output ports (changeover contact 30 V/2 A) 4 x analogue input ports 1 x USB interface
Slot	For WTX 200 I/O extension
Storage media	1 x micro SD card (with optional 128 bit SSL encryption) 512 kB flash 128 KB S-RAM
Relative humidity	10–95 % (not condensed)
Connection	Screw terminals 2.5 mm <sup>2</sup>
Installation	On hat rail Width 165 mm, height 130 mm, depth 65 mm In sheet steel housing Width 300 mm, height 300 mm, depth 132 mm

DGH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.

Notes for operation and installation

Connection between WRU 200/WRU 220 and WTC 200 electronic control unit with four core installation cable in compliance with VDE 0815: Type J-Y(St) Y 2 x 2 x 0.8 mm (twisted pair, shielded), max. length 100 m (please contact Dialock specialist for other lengths).

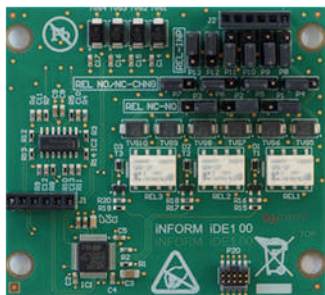
Supplied with	Cat. No.
1 WTC 200 controller with S/FTP Cat. 6 <sub>A</sub> patch cable	917.91.071
1 S/FTP Cat. 6 <sub>A</sub> patch cable, 1000 mm, 1 x 90° patch cable boot	910.51.983

Order reference

Please order supplementary and optional components, e.g. energy control terminal, voltage supply and lock, separately.



→ WTX 200 I/O Extension  
For extension of WTC 200 controller



Functionality

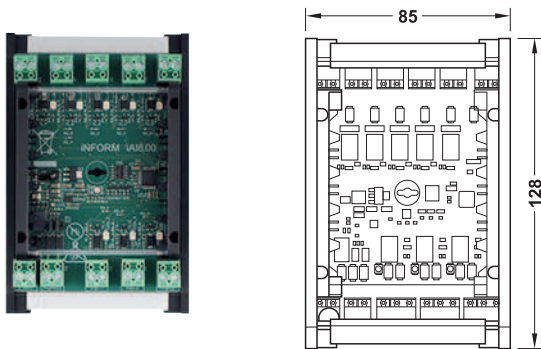
- > Connection of up to 4 monitoring contacts
- > Connection of up to 2 electric strikes (relays)
- > Combined connection of monitoring contacts and electric strikes to up to 6 pins
- > Up to 3 relay contacts for electric strikes or for signalling the door status

Technical data	
Degree of protection	IP30 (sheet steel housing), installation on hat rail depends on housing
Ambient temperature	0 °C to +50 °C
Voltage supply	12–24 V DC ±15%
Current consumption	1.5 W
Relative humidity	10–95 % (not condensed)
Interfaces	3 x relay output ports (changeover contact 30 V/2 A) 4 x analogue input ports
Connection	Screw terminals 2.5 mm <sup>2</sup>
Mounting	On slot for WTC 200 authorisation writer

Supplied with	Cat. No.
WTX 200 I/O extension	917.91.073

WRU 200 wall reader	► AH 3.45
WRU 220 wall reader	► AH 3.47

→ **WTX 201 8-way relay module**  
For extension of WTC 200 controller



WTX 201 8-way relay module,  
as independent unit that can be installed remotely  
from the WTC 200 controller, e.g. as lift control.


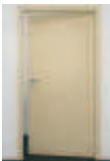









**Functionality**



- > Connection of up to 8 changeover contacts,  
make or break contacts (relay)
- > RS-485 for connection with WTC 200 controller
- > One RS-485 interface on the WTC 200 can be  
used for operating up to 4 WTX 201

Technical data		
Degree of protection		Depends on housing
Ambient temperature (operation)		0 °C to +50 °C
Voltage supply		12–24 V DC ±15%
Interfaces		8 x relay output port (changeover contact 30 V/2 A) 1 x RS-485 1 x analogue input port
Relative humidity		10–95 % (not condensed)
Connection		Screw terminals 2.5 mm <sup>2</sup>
Installation	On hat rail	Width 82,5 mm, height 130 mm, depth 65 mm

Supplied with	Cat. No.
WTX 201 8-way relay module	917.91.074

### Ordering product components


		Standard			Optional		
		E			E		
 <b>①</b>  <b>②</b> 	Page	 AH 3.52	 AH 3.57		 AH 3.54	 AH 3.53	 AH 3.55
		WT 210 wall terminal, (wall reader and controller, as one unit)	Power supply	Electric strike, Reed sensor, multiple locking device, motorised mortice lock	ESS 100 energy control terminal	Automatic circuit breakers and relays	Installation accessories
<b>①</b> For external doors made from wood, metal, glass or narrow frame	–	✓	✓	✓	✓	✓	✓
		Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125, are possible if the door structure also meets the respective requirements.					
	EN 179						
	EN 1125						
<b>②</b> For interior doors made from wood, metal, glass or narrow frame	–	✓	✓	✓	✓	✓	✓
		Doors with requirements on fire resistance/smoke control, EN 179 or EN 1125, are possible if the door structure also meets the respective requirements.					
	EN 179						
	EN 1125						

  
  
Programming  
user keys

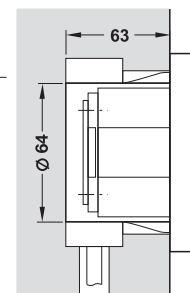
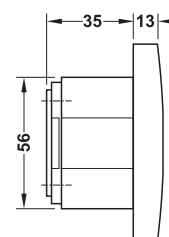
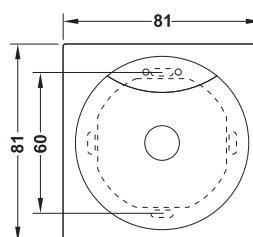
AH 3.67

05.03.2019

### Sample order

	For entrance door, projects, mains-operated wall terminal		
		<b>Wall terminal set</b>	
	917.91.077	WT 210 wall terminal	AH 3.53
	Ⓔ	<b>Power supply</b>	
	917.93.013	DC power supply unit, regulated	AH 3.57
	Ⓔ	<b>Lock</b>	
	911.49.053	Multiple locking device	
	911.49.042	Secury Automatic-A opener	
	911.39.380	2 x strike plate	
	911.39.392	Angled security striking plate	
	Ⓔ	<b>Automatic circuit breakers and relays</b>	AH 3.53
	Ⓔ	<b>Installation accessories</b>	AH 3.55
	<b>Optional</b>		
	Automatic circuit breakers, relays and installation accessories as required		
	Energy control terminal for hotels, additional wall reader on opposite side as required		
		<b>Programming and user keys</b>	AH 3.67

### Häfele Dialock WT 210 Wall terminal



Space requirement  
flush-mount socket

WT 210 wall reader (reader unit and controller in one compact unit) made from plastic, anthracite/silver coloured.  
The compact design of the WT 210 allows for installation in flush-mount sockets or cavity wall boxes.

#### Functionality

Mains-operated wall terminal, for offline operation

- > Red/green LEDs for indication of locking and unlocking
- > The WT 210 forms a complete offline access point in combination with an electric strike
- > The digital input port can be used for connecting a push button inside that activates the electric strike, for example.
- > With integrated real-time clock for programming time restricted locking authorisations (setting of time zones)
- > With sabotage sensor that triggers the integrated signal generator and activates the alarm relay when removing the reader head from the installation frame
- > The alarm relay can also be combined with one further relay (in the protected (indoor) areas) in order to achieve a tamper-resistant access point
- > With audit trail of all locking processes and processes of removing the reader head from the installation frame
- > Wireless firmware update with the MDU 110

- > Area of application: For controlling car park barriers, gates, any type of door, furniture and furnishings, lights, alarm systems, video surveillance,...

Degree of protection	IP65
Ambient temperature (operation)	−25 °C to +70 °C
Relative humidity	10–95 % (not condensed)
Voltage supply	12–24 V DC ±15%
Current consumption	0.8 W
RFID	f = 13.56 MHz
Indication	1 x LED red, 1 x LED green, Piezo sound generator
Interface	Digital input port: Switching input max. 20 mA Relay output port (changeover contact): 48 V AC/DC, 5 A Alarm output port (make contact): 48 V DC, 1 A RF interface for configuration with MDU 110
Memory	Event memory: Up to 1,000 audit trail entries Key memory: Up to 1,000 keys
Terminal clamps	0.13–0.52 mm <sup>2</sup>
Dimensions	Width 81 mm, height 81 mm, depth 13 mm (surface mounted) 35 mm (flush mounted)



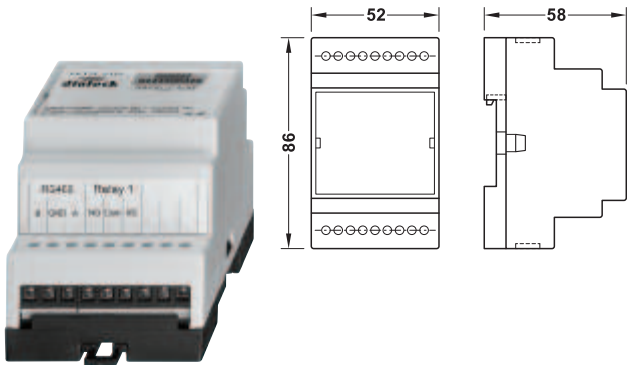
Notes for operation and installation
Installation of wall reader in flush-mount socket with 2 device fastening screws (distance 60 mm in compliance with DIN). Make sure the fastening points on the flush-mount socket are horizontal.
Minimum distance between 2 wall readers 250 mm.
The installation of the wall reader in metal surroundings must be planned.

Supplied with	Cat. No.
1 WT 210 wall terminal, offline	917.91.077
1 WT 210 wall terminal with open Bluetooth interface (SPK)	917.91.088
1 WTX 202 relays unit (2 relays, 2 input ports)	917.91.085

Order reference
Please order supplementary and optional components, e.g. energy control terminal, voltage supply and lock, separately.



Häfele Dialock WTX 202 Relay unit



Technical data		
Degree of protection		IP 20
Ambient temperature (operation)		–25 °C to +65 °C
Voltage supply		12–24 V DC (± 10%)
Current consumption		<105 mA
Power consumption		<1.3 W
Contact rating of relays	Voltage	<60 V DC
	Switching current	<1 A (momentary)
	Switching capacity	<60 VA
Input ports		20 mA to optocoupler or control via a potential-free switch
Communication interface		RS485
Relative humidity		10–95% (not condensed)
Possible wire thicknesses		0.09–4 mm <sup>2</sup>
		28–12 AWG
Hat rail installation M36 rail technology		4 joint units

> Area of application:	For extending the WT 210 wall terminal by 2 additional relays and 2 input ports
> Version:	Communication between the WTX 202 relay unit and the WT 210 wall terminal is encrypted with AES-128
> Installation:	For clipping onto hat rail

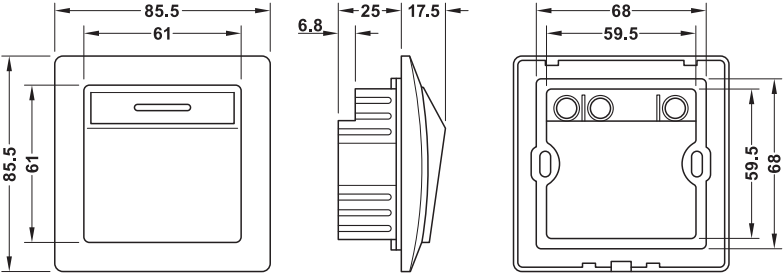
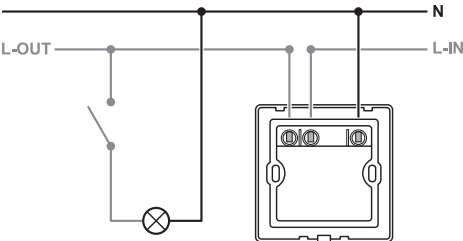
	Cat. No.
1 WTX 202 relays unit (2 relays, 2 input ports)	917.91.085

Ordering product components	► AH 3.51
WT 210 wall terminal	► AH 3.52

Energy control terminal



Circuit diagram



Particularly suitable for use in hotels for activating electrical consumers in guest rooms such as lights, TV, sockets, air conditioning. Plastic housing white or silver coloured.

Functionality

- > Activation of electric circuits and switching of electrical devices by means of Dialock keys with ISO credit card size via integrated switching contact. Activation as long as a transponder card is inserted in the holder of the energy control terminal. Every transponder card is authorised.
- > The electric circuits and switches are deactivated 20 seconds after the transponder card has been removed.
- > The LED (red) is only illuminated if no transponder is inserted in the holder.

Technical data	
Certified in compliance with	FCC, EMC, SAA
Power Supply	110 or 230 VAC, 60/50 HZ
Contact rating	Protection max. 25 A (8 A capacitive or 10 A inductive)
Own consumption	<22 W or 100 mA
Life time	>100,000 unlocking cycles (when using contact maker below 220 V and full load)
Operating temperature	-20 °C to +70 °C
Relative humidity	10–95% (not condensed)
Ambient temperature (transport/storage)	-20 °C to +80 °C
Time delay	20 seconds
Technology	Mifare Classic (with 4 or 7-Byte UID)

Supplied with

1 energy control terminal with holder for transponder card  
Fixing material M3.5 x 30 mm pan head H

Colour	110 VAC	230 VAC
White	917.56.907	917.56.917
Silver coloured	917.56.909	917.56.919

Order reference

Box not supplied, please order separately.

→ Cover for energy control terminal

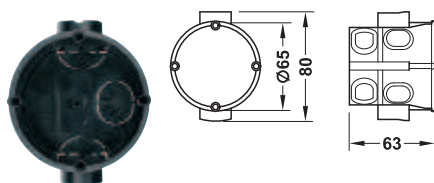
Colour	Cat. No.
Black	917.56.920

Order reference

Please order energy control terminal separately, Cat. No. 917.56.917 or 917.56.919.

DGH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.

## Box for flush mounting



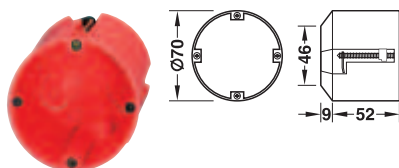
- > Version: Dimensions according to DIN standard
- > Material: Plastic
- > Colour: Black

### Supplied with

- 1 box for flush mounting
- 2 countersunk screws 15 mm

	Cat. No.
Box for flush mounting	917.91.029

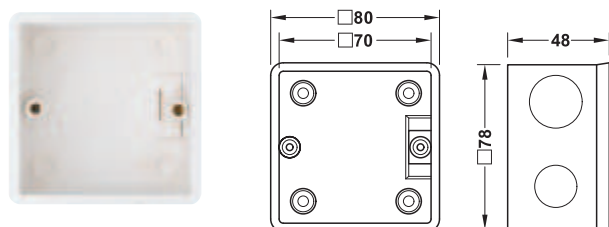
## Box for installation in dry lining wall



- > For drill hole Ø: 68 mm
- > For table top thickness: 7–35 mm
- > Version: With retaining edge, dimensions according to DIN standard
- > Material: Plastic
- > Colour: Red

	Cat. No.
Box for installation in dry lining wall	917.91.012

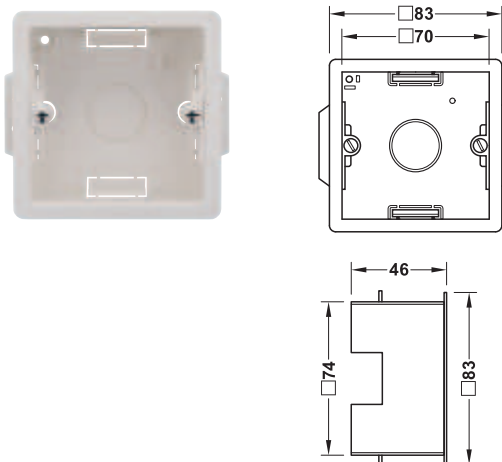
## Flush-mount socket



- > Area of application: For energy control terminal
- > Material: Plastic
- > Colour: White
- > Installation: For flush mounting

	Cat. No.
Flush-mount socket	917.91.001

## Cavity wall box



For panel thickness 7–30 mm

- > Area of application: For energy control terminal
- > Material: ABS plastic
- > Colour: White
- > Installation: For clamping in plasterboard with pan head H threaded screws M3, 5 x 30 mm
- > Tested for fire resistance

	For table top thickness mm	Cat. No.
Cavity wall box	7–30	917.91.034

## Gira Frames

### → 55 system

For indoor use

#### Gira E2



Pure white, glossy



Pure white, silk matt



Aluminium coloured

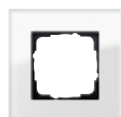


Anthracite

#### Gira Esprit



Glass mint



Glass white



Glass black



Aluminium coloured



Brass plated



Chrome plated

#### Gira E22



Pure white



Stainless steel coloured

Model	Colour	1-gang
E2	Pure white, glossy	985.50.017
	Pure white, silk matt	985.50.016
	Aluminium coloured	985.50.019
	Anthracite	985.50.015
Esprit	Glass mint	912.08.610
	Glass white	912.08.617
	Glass black	912.08.613
	Aluminium coloured	912.08.619
	Brass plated	912.08.615
	Chrome plated	912.08.614
E22	Pure white	985.52.317
	Stainless steel coloured	985.52.310

### → TX\_44 system

For outdoor use

Degree of protection IP44 is achieved for the entire unit when combining the Gira WT 220 wall terminal set with the TX\_44 system (frame, sealing flange and insert).



Pure white



Aluminium coloured

Colour	1-gang	2-gang
Pure white	912.08.117	912.08.127
Aluminium coloured	912.08.119	912.08.129

### IP44 Sealing flange for rocker switch



- > **Functionality:** In conjunction with the TX\_44 system frame and insert, a wide range of rocker switches is suitable for water-protected flush-mounted installation (degree of protection IP 44)
- > **Colour:** White

	Cat. No.
IP44 sealing flange	917.91.290

### Insert for TX\_44 1-gang cover frame

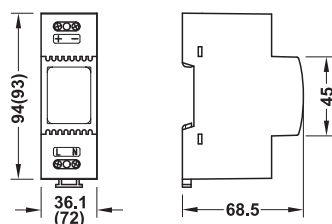


Pure white

- > **Functionality:** In conjunction with the TX\_44 system frame and the sealing flange, a wide range of rocker switches is suitable for water-protected flush-mounted installation (degree of protection IP 44)

Colour	Cat. No.
Pure white	917.91.267
Aluminium coloured	917.91.269

## DC power supply unit regulated



- > Area of application: Voltage supply for wall terminal set, electric strike and motor lock
- > Version: Suitable for permanent operation, short-circuit proof
- > Installation: For installation in distributor on hat rail

### Technical data

Input voltage		100–240 V AC
Output voltage		12 V DC
Output current	Width 36.1 mm	2 A
	Width 72 mm	4 A
Operating temperature	Width 36.1 mm	<40 °C
	Width 72 mm	<50 °C
Hat rail installation M36 rail technology	Width 36.1 mm	2 joint units
	Width 72 mm	4 joint units

### Note

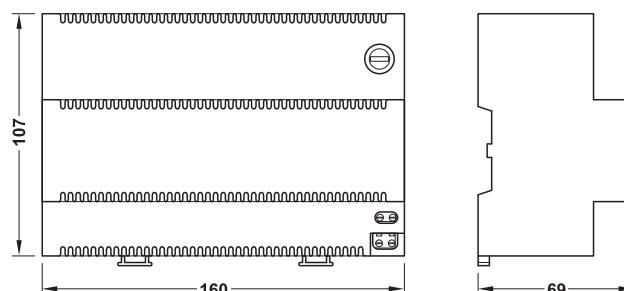
Installation and commissioning must be carried out by a qualified electrician.

### Supplied with

- 1 DC power supply unit
- 1 wall mounting set
- 1 snap-on cover

Width mm	Cat. No.
36.1	917.93.013
72	917.93.012

## Rechargeable battery pack for emergency power supply



- > Area of application: Low-cost emergency power supply for e.g. wall terminal set, electric strike, motor lock
- > Version: Hermetically sealed lead battery pack with 12 V (4Ah), suitable for permanent operation, maintenance-free, a second terminal is provided on the battery pack for connecting the load
- > Installation: For installation in distributor on hat rail

### Technical data

Input voltage	12.8 V DC
Output voltage	12 V DC
Capacity	4 Ah
Nominal capacity (example)	120 W for 10 min.
Operating temperature	≤40 °C
Hat rail installation M36 rail technology	9 joint units
Service life	Approx. 5 years (ambient temperature 20 °C)
Self-discharge	Approx. 3 % per month (ambient temperature 20 °C)

### Installation

For use in combination with 12 V DC power supply unit (e.g. Cat. No. 917.93.013).  
 The output voltage of the DC power supply unit must be increased to 13.8 V DC, power consumption of the battery pack is then + 500 mA (load capacity).  
 The battery pack must be connected between power supply unit and consumer.

### Note

Installation and commissioning must be carried out by a qualified electrician.

Width mm	Cat. No.
160	917.93.019



3



## ONE ROOM. ONE FACE.

### HÄFELE HOTEL ASSORTMENT.

The hotel room as a cohesive unit in style. Consistently achievable with the Häfele hotel assortment. Consistently composed shapes and surfaces. From the entrance to the bathroom. From the locking system to the towel holders. Everything from one source. Worldwide.

Further information [www.hafele.com](http://www.hafele.com)



### Ordering product components

		Can be integrated				Surface mounted
			Ⓑ	Ⓒ	Ⓓ	
	Page	AH 3.60	AH 3.62	AH 3.63	AH 3.63	AH 3.65
		Integra biometric fingerprint reader	Electronic control unit and cable transition	Cable type A (fingerprint reader to electronic control unit)	Cable type B (mains lead for electronic control unit)	Biometric fingerprint reader, surface mounted (complete set)
For external and interior doors, garage door, barriers, ... Wood, Metal, glass or narrow frame		✓	✓	✓	✓	✓
Doors with protection at both sides (biometric scan + user key) for e.g. server room doors		✓	✓	✓	✓	✓

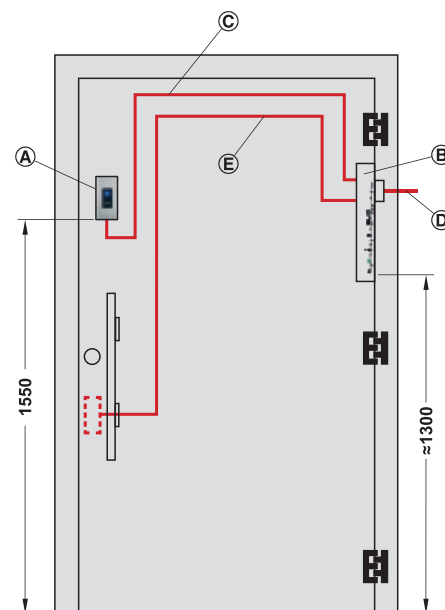
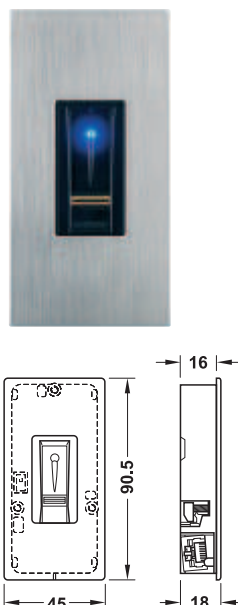
Free combination with electric strikes, electric multiple locking devices or motor locks.  
Specifications for electrical installations of both manufacturers must be observed when connecting to the electronic control unit.

Information about processing and installation can be found in our online shop.

### Sample order

	For wooden front door, DIN left, mains-operated door terminal		
		<b>Integra WT 900 biometric fingerprint reader</b>	AH 3.61
	912.10.605	Satin stainless steel	
	Ⓑ	<b>Electronic control unit and cable transition</b>	AH 3.62
	912.09.570	For groove mounting	
	Ⓒ	<b>Cable type A</b>	AH 3.63
	912.09.580	For connecting fingerprint reader with electronic control unit, length 2,000 mm	
	Ⓓ	<b>Cable type B</b>	AH 3.63
	912.09.590	Mains lead for electronic control unit, length 8000 mm	
		<b>Motor lock</b>	
	912.01.001	Forend 24 mm, satin stainless steel	
	Ⓔ	<b>Cable type C</b>	AH 3.63
	912.09.592	For connecting electronic control unit with motor lock	

### Ⓐ WT 900 integra Biometric fingerprint reader



#### Planning aid

One item each of

Ⓐ – Ⓓ is required for a complete product set.  
Items Ⓔ – Ⓕ are optional.

Biometric fingerprint reader integrated in door leaf,  
for front doors, garage doors, barriers, etc.  
Cover, satin stainless steel

#### Functionality

Mains-operated, intelligent reading station

- > Is activated when the finger is scanned in by a thermal line sensor
- > Special features are filtered out and stored ("biometric key")
- > The door is opened via relay that is integrated in the electronic control unit
- > Operation is also guaranteed with minor injuries such as cuts
- > Data available even after power failure
- > Memory capacity for up to 99 fingers/employees

#### Options (please order separately)

- > The biometric fingerprint reader can be combined with a Dialock WT 100 wall terminal set where increased security for a door is required (obtaining second verification of persons). Both systems are controlled via a macro program.
- > Ⓔ 1 Cable type C, for connecting the electronic control unit with the locking element, e.g. electric strike.
- > Power supply unit Ⓕ can be connected directly to the socket and can be used instead of cable type B Ⓓ.

- > Fingerprint reader mounted directly on door leaf
- > Easy and safe installation provided by plug system
- > For all electronic locking elements available on the market (motor locks, electric strikes, etc.)

#### Technical data

Memory	99 finger prints
Degree of protection	IP 54 outdoor, IP 40 indoor
Ambient temperature (operation)	-25 °C to +70 °C
Relative humidity	0-95 % (not condensed)
Operating voltage	8-24 V DC
Biometric data	FAR approx. $1.0 \times 10^{-7}$ with FRR $1.4 \times 10^{-2}$
Recommended installation height	155 cm to lower edge of fingerprint reader



### Notes for operation and installation

A recess of 85 x 39.5 mm (corner radius max. 5 mm) in door leaf is required for installing the fingerprint reader.  
Routing depth is 16 mm. Additional recesses are required for electronic control unit and cable.  
Power supply must be provided.

A cable Ø of > 0.5 mm must be used if the distance between electronic control unit and fingerprint reader is more than 50 m.

Without exception, each door lock, e.g. electric strike, must be connected to a separate voltage supply (control signals in the low current range of the fingerprint reader).

### Supplied with

1 integra biometric fingerprint reader  
1 cover, satin stainless steel

### Cat. No.

912.10.605

### Order reference

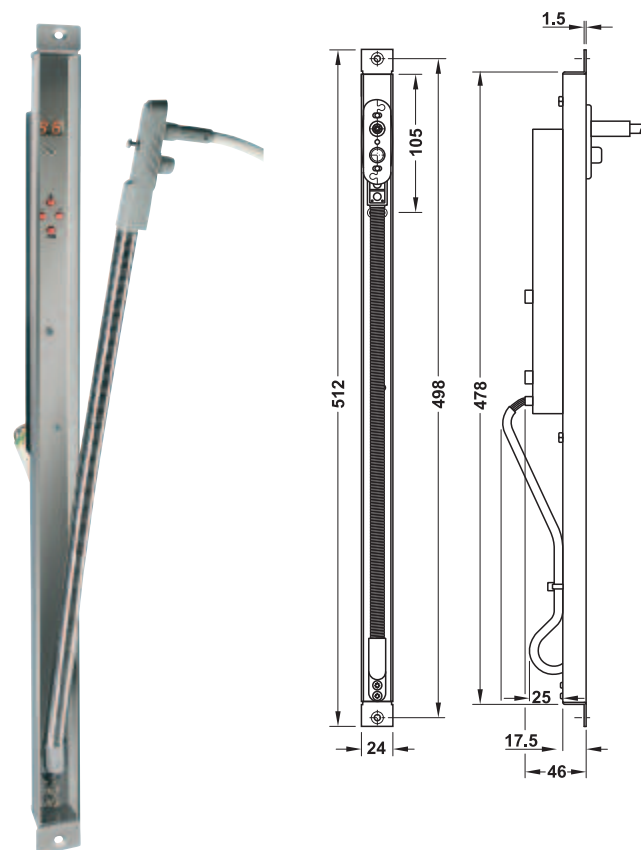
The following components must also be ordered for a fully operational unit:

- Ⓑ 1 electronic control unit and cable transition
- Ⓒ 1 cable type A, for connecting the electronic control unit with the fingerprint reader
- Ⓓ 1 cable type B, for power supply (with power supply unit in control box)

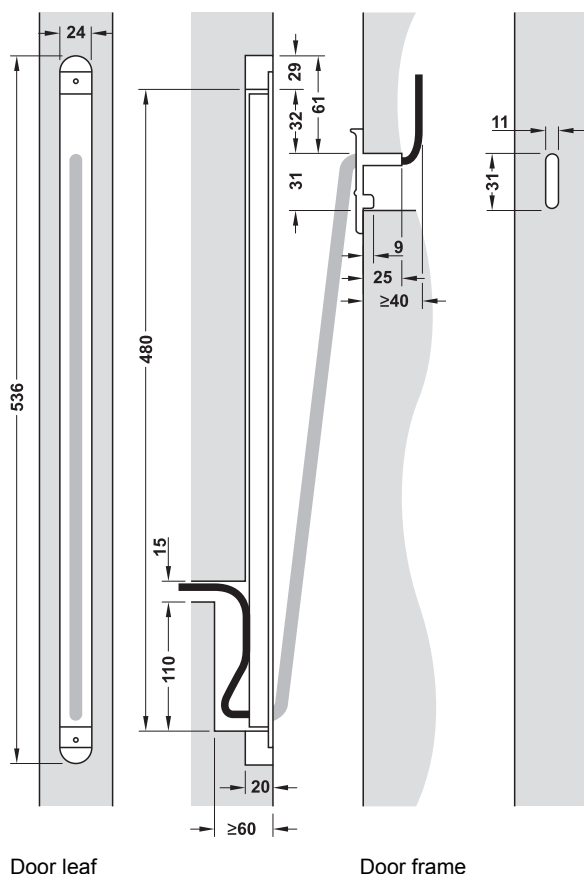
### → ② Electronic control unit and cable transition

GAEB

3



Routing dimensions for installation in door leaf and door frame



Door leaf

Door frame

- > Area of application: Control unit and cable transition for integra biometric fingerprint reader
- > Material: Forend: Stainless steel
- > Opening angle: Approx. 180°
- > Installation: For screw fixing in respective recess in door leaf and door frame, only one safety lock screw for the cable transition must be unscrewed in order to remove/hook in the door

#### Technical data

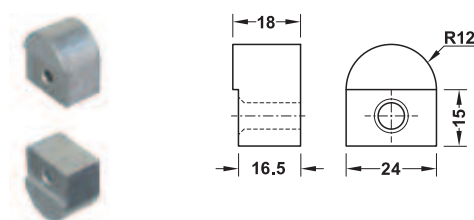
Memory	99 finger prints
Degree of protection	IP67
Ambient temperature (operation)	-20 °C to +70 °C
Relative humidity	0-95 % (not condensed)
Operating voltage	8-24 V AC or 8-30 V DC
Relay	Contact rating: 48 V DC/AC 2.5A Max. voltage (peak A): 60 V Resistance: 0.12 Ω Leakage current: 1 µA
Cable length to fingerprint reader	0.8 m, with CP35/8 plug
Cable length to power supply	4 m, 3-core, bare
Recommended installation height	Min. 135 cm

	Cat. No.
Electronic control unit and cable transition	912.09.570

#### Order reference

When mounting on wooden doors, please order mounting set for wood separately.

### Mounting set for wooden doors 10313-24



- > Suitable for: Cable transition model 10312-14

Model	Cat. No.
10313-24	912.02.089

Packing: 1 set

### → ③ Cable type A



- > Functionality: For connecting the biometric fingerprint reader with the electronic control unit
- > Material: Plastic/copper

#### Technical data

Cable A	4-core, RJ45/CP35
---------	-------------------

Length mm	Cat. No.
2000	912.09.580
4000	912.09.584

### → ④ Cable type B



- > Functionality: Lead for electronic control unit
- > Material: Plastic/copper

#### Technical data

Cable B	8-core, CP35/bare
---------	-------------------

Length mm	Cat. No.
2000	912.09.589
8000	912.09.590

### → ⑤ Cable type C



- > Functionality: Connection cable for connecting electronic locking elements, e.g. motor lock, electric strike (optional)
- > Material: Plastic/copper

#### Note

Please note the technical connection conditions of the electronic locking elements.

#### Technical data

Cable C	3-core, bare/bare
---------	-------------------

Length mm	Cat. No.
2000	912.09.592
4000	912.09.594

### → ⑥ Power supply unit



- > Functionality: Power supply for the biometric fingerprint reader if suitable power supply is not provided on site (optional)

#### Note

Without exception, each door lock must be connected to a separate voltage supply (do not use the supplied wall plug power supply unit).

	Cat. No.
Power supply unit	912.09.210

### → PS 2 Power supply unit



- > Area of application: Voltage supply for furniture terminals, wall terminals, distributors and multi-lock adapters
- > Version: Plug-in connection to output cable with AMP plug (3-way AMP plug) on output port

#### Technical data

Input voltage	100–240 V AC, 50–60 Hz
Output voltage	12 V DC, regulated
Relative humidity	0–95 % (not condensed)
Mains lead length	1800 mm
Output cable length	1350 mm
Approvals	ACMA, CE, FCC, LPS, TÜV/GS, UL
Operating temperature	0–50 °C

#### Supplied with

- 1 PS 2 power supply unit
- 1 mains lead with Schuko safety plug
- 1 supplementary sheet "Safety notes"

	Output current A	Dim. (L x W x H) mm	Cat. No.
PS 2 power supply unit	5	115 x 52 x 30	237.58.141

### → PS 4 Power supply unit



- > Area of application: Voltage supply for furniture terminals, wall terminals, distributors and multi-lock adapters, suitable for the US market, because the requirements of the DoE Level VI directive are met
- > Version: Plug fit connection to output cable via AMP plug (3-way AMP plug at output port)

#### Technical data

Input voltage	100–240 V AC, 50–60 Hz
Output voltage	12 V DC, regulated
Relative humidity	0–95 % (not condensed)
Mains lead length	2100 mm
Output cable length	1350 mm
Approvals	MM, CE, FCC, UL, Level VI, FWGB, Approved Medical Device
Operating temperature	0–45 °C

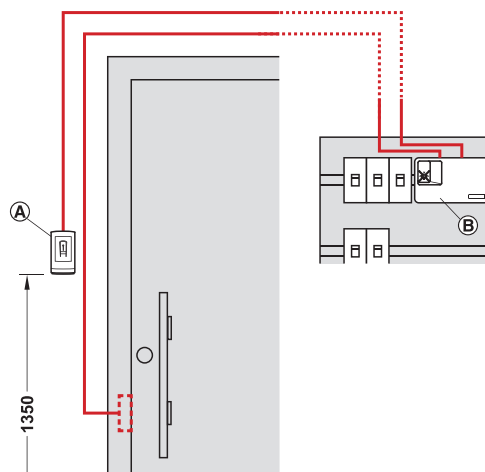
#### Supplied with

- 1 PS 4 power supply unit
- 1 mains lead with Schuko safety plug
- 1 supplementary sheet "Safety notes"

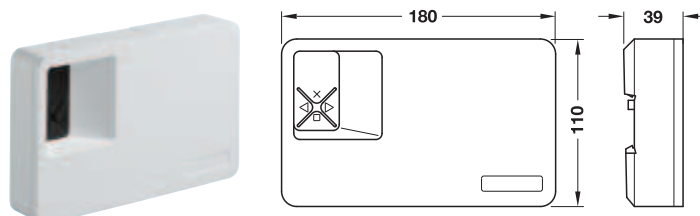
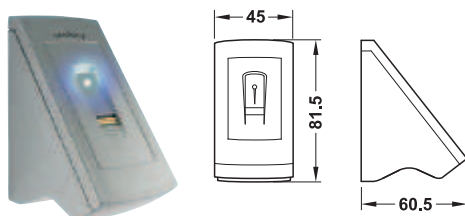
	Output current A	Dim. (L x W x H) mm	Cat. No.
PS 4 power supply unit	2.5	90 x 55 x 32	237.58.180

VI

### WT 900 Biometric fingerprint reader complete set for surface mounting



Ⓐ Biometric fingerprint reader  
Ⓑ Electronic control unit



- > Easy and safe installation provided by plug system
- > For all electronic locking elements available on the market (motor locks, electric strikes, etc.)



Biometric fingerprint reader for front doors, garage doors, barriers, etc.

Ideal for retrofitting, for screw fixing.

Biometric fingerprint reader: Plastic, silver-grey;  
electronic control unit: Plastic, white

#### Functionality

Mains-operated, intelligent reading station

- > Is activated when the finger is scanned in by a thermal line sensor
- > Special features are filtered out and stored ("biometric key")
- > The door is opened via relay that is integrated in the electronic control unit
- > Operation is also guaranteed with minor injuries such as cuts
- > Data available even after power failure
- > Memory capacity for up to 99 fingers/employees

#### Options (please order separately)

- > The biometric fingerprint reader can be combined with a Dialock WT 100 wall terminal set where increased security for a door is required (obtaining second verification of persons). Both systems are controlled via a macro program.
- > Ⓔ 1 cable type C, for connecting the electronic control unit with the locking element, e.g. electric strike.

Technical data	
Memory	99 finger prints
Degree of protection	IP 44 fingerprint reader, IP 40 electronic control unit
Ambient temperature (operation)	-25 °C to +75 °C
Relative humidity	0-95 % (not condensed)
Operating voltage	8-24 V AC or V DC
Biometric data	FAR approx. $1.0 \times 10^{-7}$ with FRR $1.4 \times 10^{-2}$
Recommended installation height	135 cm to lower edge of fingerprint reader

**Notes for operation and installation**

The electronic control unit must be mounted and wired on hat rail on internal wall or in switch cabinet.

A cable Ø of > 0.5 mm must be used if the distance between electronic control unit and fingerprint reader is more than 50 m.

Without exception, each door lock, e.g. electric strike, must be connected to a separate voltage supply (control signals in the low current range of the fingerprint reader).




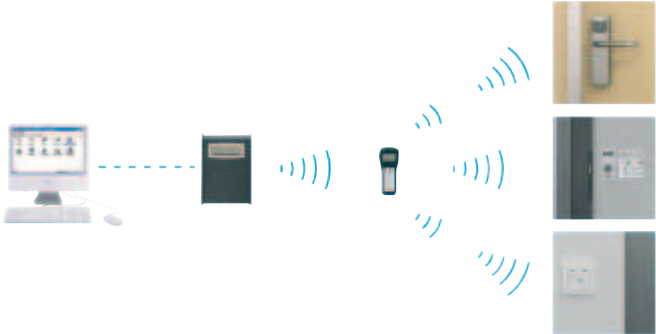
Supplied with	Cat. No.
1 biometric fingerprint reader for surface mounting	912.09.559
1 electronic control unit (1 relay)	
1 power supply unit (230 V AC, 800 mA)	



Programming

You have decided to install a door terminal (DT), wall terminal (WT) or furniture lock.  
Now you can define the procedure that is used to program the electronics, or decide which key (user key) will be given authorisation to open the lock.  
You have the choice between two programming methods:  
> Key card programming for small projects  
> Software programming for large projects and extensive functionality (SW software)

Overview of advantages and usage areas

Key card programming	Software programming
<div></div> <p>Key card programming is ideal for projects comprising up to about 20 doors and 20 keys. The advantages thereof are low administrative cost and ease of use.</p> <p>The authorisation for the door is assigned directly at the respective terminal (DT or WT) using an electronic key (user key) and a programming key card.</p> <p>If the authorisation is to be withdrawn, it is erased using a clearing key card and the relevant electronic keys (user key).</p> <p>Once Dialock terminals have been configured with software using the MDU, key card programming is no longer possible.</p> <p>Continue to page AH 3.69</p>	<div></div> <p><b>The responsible Hafele employees or the specialists in the project area will help you to plan.</b></p> <p>Software programming is ideal for all projects. The advantage is the efficient management of authorisations and all settings for the locking system on a PC using special software.</p> <p>The authorisations (assigning or erasing) of the electronic keys (user key) are assigned either directly at the encoding station (ES 110) or wall reader (WRU 200) that is individually positioned on or inside the building.</p> <p>The advantage of the software is the visual display, management and storage of the authorisations on the PC and extended functionality such as group definitions, series programming, role concepts, setting the date and time, incorporation of external software and all system parameters...</p> <p>Continue to page AH 3.68</p>

User keys

User keys are the electronic version of keys. They must first have access authorisation assigned to them (programming: Stand Alone SA or software SW) so that they can then be used during everyday operations.  
The user keys are maintenance-free (no battery) and wear and tear free (contactless data transfer).



DPH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.

## Dialock Software

The USB stick version must be ordered when the software is procured for the first time. This is because the USB stick contains further extensive system descriptions besides the software.

Delivery via mail is used for software extension and should only be selected for an initial procurement after approval.



3

Project size			Functionality (supplementing in ascending order)		
Access points	Personnel master records	Licence for encoding station, WT 200 Online, authorisation writer	Locking map + time and attendance	+ HMS (interface)*	+ Role model
<b>SW 200 Control software</b>					
20	20	2	✓		
50	50	2	✓		
100	100	2	✓		
200	200	2	✓		
500	500	2	✓		
<b>SW 300 Hotel software</b>					
20	20	2	✓	✓	
50	50	2	✓	✓	
100	100	4	✓	✓	
200	200	8	✓	✓	
500	500	16	✓	✓	
<b>SW 400 Professional software</b>					
50	50	2	✓	✓	✓
100	100	4	✓	✓	✓
200	200	8	✓	✓	✓
500	500	16	✓	✓	✓

\* in the hotel environment (+HMS), the guest cards are allocated to the access point (guest room door).

### Supplied with

#### Software: Delivered on USB stick

Software SW  
Dialock software manual  
Installation and operating instructions for the Dialock door and wall terminals  
License file (on USB stick)  
License key (on USB stick)

#### Software extension: Delivery of the license via mail/fax

License file (via mail)  
License key (via fax)

#### Ordering information for sending of license by mail/fax

If the delivery is made by mail/fax it is assumed that the Dialock software is already present in the project.  
The following information is needed for an order:

- > Project name
- > Project address
- > Project code from software
- > Mail address (for sending license file)
- > Fax number (for sending license key)

#### Ordering procedure

The license will be produced after the information has been checked. First the license file will be sent to the defined authorised person in the project by mail. Then the license key will be sent to the specified fax number, or alternatively, if no fax is available, in exceptional cases the license key can be provided over the telephone.

	Dispatch on USB stick	Dispatch by e-mail
SW 200 Control 20/20 software	910.52.800	910.52.900
SW 200 Control 50/50 software	910.52.801	910.52.901
SW 200 Control 100/100 software	910.52.802	910.52.902
SW 200 Control 200/200 software	910.52.803	910.52.903
SW 200 Control 500/500 software	910.52.804	910.52.904
SW 300 Hotel 20/20 software	910.52.810	910.52.910
SW 300 Hotel 50/50 software	910.52.811	910.52.911
SW 300 Hotel 100/100 software	910.52.812	910.52.912
SW 300 Hotel 200/200 software	910.52.813	910.52.913
SW 300 Hotel 500/500 software	910.52.814	910.52.914
SW 400 Professional 50/50 software	910.52.831	910.52.931
SW 400 Professional 100/100 software	910.52.832	910.52.932
SW 400 Professional 200/200 software	910.52.833	910.52.933
SW 400 Professional 500/500 software	910.52.834	910.52.934
SW 400 Professional demo version	—	910.52.839

#### Order reference

Please check your order very carefully. The licence cannot be returned because of the customised configuration of the software.

Please keep the USB stick and all licences in a safe place. For your own security, these should only be made available to authorised persons. Copying of the software and the licences is permitted for the ordered project. Linking to a hotel administration programme may cause additional costs (interface programming). Please discuss with the software manufacturer and order, if required.



## Dialock Software extension

### Supplied with

#### Software extension: Delivered on USB stick

Software SW  
Installation and operating instructions for the Dialock door and wall terminals  
License file (on USB stick)  
License key (on USB stick)

#### Software extension: Delivery of the license via mail/fax

License file (via mail)  
License key (via fax)

#### Order reference

Please check your order very carefully. The licence cannot be returned because of the customised configuration of the software.  
Please keep the USB stick and all licences in a safe place. For your own security, these should only be made available to authorised persons.  
Copying of the software and the licences is permitted for the ordered project.

	Delivered on USB stick	Delivery via mail
Installation of software on additional workplace computer (starting from the 21st workplace computer)	910.52.880	910.52.980
50 additional access points	910.52.885	910.52.985
100 additional access points	910.52.886	910.52.986
200 additional access points	910.52.887	910.52.987
500 additional access points	910.52.888	910.52.988
50 additional personnel master records	910.52.881	910.52.981
100 additional personnel master records	910.52.882	910.52.982
200 additional personnel master records	910.52.883	910.52.983
500 additional personnel master records	910.52.884	910.52.984
Licence for "writing of authorisations" function (validation function)	910.52.870	910.52.860
Smartphone key licence	910.52.871	910.52.861
Multi-applications licence (TXP editor)	910.52.872	910.52.862
Integration Interei GRMS	910.52.873	910.52.863
Encoder additional writing licence	910.52.975	–
Encoder additional writing licence USB	910.52.875	–

## PK Programming key card



- > Area of application: Small projects with few Dialock keys
- > Dim.: 54 x 85 mm (credit card size)

### Functionality

For allocating access authorisations without software and programming station

Technology	Cat. No.
Mifare Classic EV1 and Mifare DESfire EV2	917.64.010

### Note

When using the terminals with SPK or another desired connection to the Room Management system, please contact your Dialock specialist.

## PK Clearing key card



- > Area of application: Small projects with few Dialock keys
- > Dim.: 54 x 85 mm (credit card size)

### Functionality

For erasing access authorisations without software and programming station

Technology	Cat. No.
Mifare Classic EV1 and Mifare DESfire EV2	917.64.011

### Note

When using the terminals with SPK or another desired connection to the Room Management system, please contact your Dialock specialist.

## ES 110 Encoding station



Planning by Dialock specialist is required. Please ask



### Technical data

Voltage supply	PoE Power over Ethernet with PoE splitter (not supplied) or PS6 external power supply unit
Current consumption	Max. 300 mA
Display	128 x 64 pixels
Connections	RJ45 socket for connecting the programming cable to the PC
Data transfer	Between PC and ES 110 via TCP/IP
Dimensions	Length 185 mm, width 130 mm, height 57 mm

- > Area of application: For programming transponder media
- > Version: LCD display, illuminated background
- > Material: Housing: Plastic
- > Colour: Housing: Silver coloured/grey

### Functionality

The authorisation data that were allocated with the Dialock software are transferred via the TCP/IP network to the ES 110 and written onto the presented transponder medium.

The system is operated using the Dialock software or the integrated HMS hotel management system.

Configuration of the ES 110 is carried out on a PC and its web interface (browser) via the TCP/IP network to the ES 110.

### Supplied with

- 1 ES 110 encoding station
- 1 patch cable Cat 5, 2 m
- 1 PS6 external power supply unit
- Short instructions

Technology	Cat. No.
Tag-it™-ISO, Mifare Classic EV1 and Mifare DESfire EV2	917.42.080

## MDU 110 Mobile data unit



Planning by Dialock specialist is required. Please ask.



### Technical data

Voltage supply	Lithium-ion battery, charged using USB connection
Operating time	18 h, when operating without background lighting (can be switched off)
Weight including batteries	Approx. 400 g
Display	128 x 64 pixel, 6 lines
Connections	USB 2.0 interface for connection with the PC
Internal data memory	4 GB, corresponds to approx. 5000 terminal data records
Security	Encrypted storage of data and data transfer between MDU 110 and terminals

- > Area of application: For transferring data and configurations from the PC (Dialock software) to offline terminals
- > Version: LCD display, background lighting, 5 language settings
- > Material: Housing: Plastic
- > Colour: Housing: Anthracite, similar to RAL 7020

### Functionality

Operation is carried out using the "clickwheel" (one-handed operation) on MDU 110.

A USB 2.0 interface is used for communication with the PC which is recognised by the PC as mass storage device. Installation of drivers is therefore not necessary.

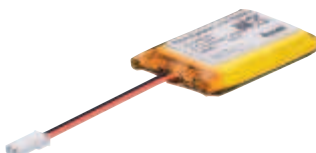
Data exchange with the terminals takes place via wireless interface. This also applies to firmware updates that may be required.

### Supplied with

- 1 MDU 110 mobile data unit
- 1 USB 2.0 cable (1.5 m) for connecting MDU 100 with the PC

Language	Technology	Cat. No.
German, English, French, Italian and Spanish	Tag-it™ ISO, Mifare Classic EV1 and Mifare DESfire EV2	917.42.180

## → Replacement rechargeable battery pack for MDU 100/110



	Cat. No.
Replacement rechargeable battery pack for MDU 100/110	917.42.190

The transponders depicted in our catalogues are of high quality and have been tested by us on all Dialock components. The transponders are provided with a security key or a Dialock segmentation for increasing the security of the Dialock access control system. Please contact our Dialock specialists if you have further questions.



## KC Key card



Blank card



Card, printed on both sides

- > Version: Wear and tear free (contactless data transfer), maintenance-free (without batteries), insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations, dust, can be reprogrammed at least 100,000 times, forgery-proof unique number
- > Material: Plastic
- > Colour: White

### Technical Data

Data retention		≥10 years
Operating temperature		−35 °C to +50 °C
Dimensions	Mifare cards	54 x 86 x 0.76 mm
	Tag-it™ ISO cards	54 x 86 x 0.86 mm

Version	Technology	Cat. No.
Blank card	Tag-it™ ISO	917.44.011
	Mifare Classic	917.64.070
	Mifare DESfire EV2	917.64.076
Printed on both sides	Tag-it™ ISO	917.44.022
	Mifare Classic	917.64.072
	Mifare DESfire EV2	917.64.078

### Order reference

Customised imprint on request: Print and customise.

## Card holder and short clip



### → Card holder without short clip

- > Area of application: For accommodating and protecting key cards
- > Version: 3 fixing methods for right, left or vertical dispense
- > Material: Plastic
- > Finish: Transparent

### Supplied with

50 card holders

	Cat. No.
Card holder	917.94.080

### Order reference

Other card holders on request.

### → Short clip



- > Area of application: For attaching the card holder to a piece of clothing
- > Version: Plastic double inset

### Supplied with

50 short clips

	Cat. No.
Short clip	917.94.081

## KT Key tag



- > Version: Waterproof
- > Material: Plastic

## Functionality

- > Electronic keys for Dialock as key tag
- > 4 independent locking authorisations per key tag possible

## Technical data

Data retention	≥10 years
Operating temperature	–35 °C to +50 °C

Technology	Colour	Cat. No.
Tag-it™ ISO	Black	917.44.093
	Blue	917.44.098
	Red	917.44.099
Mifare Classic	Black	917.64.093
	Blue	917.64.098
	Red	917.64.099
Mifare DESfire EV2	Black	917.64.083
	Blue	917.64.088
	Red	917.64.089

## Order reference

A black key tag can adversely influence the turn-on characteristics with older door terminal versions (visual process). In this case use a different colour. The terminals in this catalogue are not affected thereof.

## KT Key tag



- > Version: Solid, ultrasound welded and made waterproof
- > Material: Combination of stainless steel frame and impact resistant polycarbonate
- > Finish: Matt

## Functionality

- Electronic keys for Dialock as key tag
- 4 independent locking authorisations per key tag possible

## Technical data

Data retention	≥10 years
Dimensions	Ø 36 mm, height: 5.3 mm
Operating temperature	–35 °C to +50 °C
Transponder	Tag-it™ ISO, Mifare Classic or Mifare DESfire EV2

Colour	Mifare Classic	Mifare DESfire EV2	Tag-it™ ISO
White	917.64.147	917.64.087	917.44.147
Black	917.64.143	917.64.082	917.44.143
Green	917.64.145	917.64.080	917.44.145
Red	917.64.149	917.64.086	917.44.149
Blue	917.64.148	917.64.085	917.44.148
Orange	917.64.141	917.64.084	917.44.141

## Order reference



Text imprint or photo/graphic (template with min. 300 dpi required) on request.

## KB Key wristband



- > Area of application: In combination with LockerLock LL 200
- > Version: Waterproof, suitable for saltwater
- > Material: Wristband: Polyamide

## Functionality

- > Electronic key for Dialock as wristband
- > 1 locking authorisation per key wristband possible

## Technical data

Data retention	≥10 years
Operating temperature	–35 °C to +50 °C (short-time exposure to higher temperatures possible, e.g. in sauna)

Technology	Colour	Cat. No.
Tag-it™ ISO	Black	917.44.203
	Yellow	917.44.206
	Blue	917.44.208
	Red	917.44.209
	Green	917.44.200
Mifare Classic	Black	917.64.123
	Yellow	917.64.126
	Blue	917.64.128
	Red	917.64.129
	Green	917.64.120
Mifare DESfire EV2	Black	917.64.173
	Yellow	917.64.176
	Blue	917.64.178
	Red	917.64.179
	Green	917.64.170

## Order reference

Customised imprint on request:  
Print and customise.

## Number plate



- > Area of application: For attaching to KB key wristband
- > Version: With 4-digit number

Colour	Cat. No.
Black	231.81.013
Yellow	231.81.016
Blue	231.81.018
Red	231.81.019
Green	231.81.010

## Order reference

When ordering, specify the required number (4 digits) for the label.

## KT Key fob



- > Version: Wear and tear free (contactless data transfer), maintenance-free (without batteries), insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations and dust, forgery-proof unique number

## Functionality

- > Electronic key for Dialock
- > 4 independent locking authorisations per KT key fob possible

## Technical data

Data retention	≥10 years
Dimensions	28 x 56 x 1.7 mm
Operating temperature	–25 °C to +60 °C

Technology	Colour	Cat. No.
Tag-it™ ISO	Grey	917.44.175
	White	917.44.177
	Green	917.44.170
	Red	917.44.171
	Orange	917.44.179

## Order reference

Customised imprint on request:  
Print and customise.

KC Key card with individual print



Application examples for key cards with individual print

Planning by Dialock specialists is required.

- > Functionality: Electronic key for Dialock
- > Version: Wear and tear free (contactless data transfer), maintenance-free (without batteries), insensitive to external influences such as wetness, moisture, magnetic fields, mechanical vibrations, dust, forgery-proof unique number, mass printing procedure
- > Material: Plastic
- > Colour: Base colour white, print in accordance with customer specifications

Technical data	
Data retention	≥10 years
Ambient temperature (operation)	–35 °C to +50 °C
Coating	4 colours (optionally on one side or both sides)
Dimensions	54 x 85 mm (credit card size)
Transponder	Mifare Classic including Dialock coding Mifare DESfire EV2 including Dialock coding Tag-it™ ISO RFID 13.56 MHz

→ Reusable

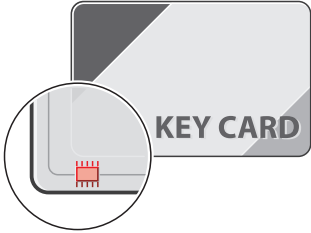
- > Version: Can be reprogrammed at least 100,000 times

Technology	Cat. No.
Mifare Classic	917.64.071
Mifare DESfire EV2	917.64.077
Tag-it™ ISO	917.44.230

Order reference

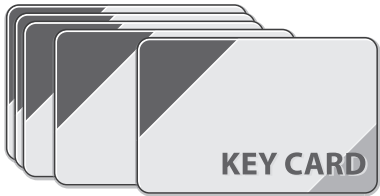
Print, customise and price on request.  
Minimum order quantity: 50 pieces.

Certification of external transponders



The transponders which are available in our catalogues are top-quality transponders which are tested on all Dialock components. The transponders are provided with a security key and Dialock segmentation for increasing the security and improving the quality assurance of the Dialock access control system. This prevents unauthorised access to the transponder data. A deviation from the standard is the fact that transponder certification is carried out when new transponders are being selected and in the event of multi-applications. Sphinx will carry out certification and issue an approval if this is successful. The release documents for the certified transponders will be made available to Category Management and Purchasing department.

Certification process



- > The range and usability of 5 samples of an external transponder (same model, same technology – card, tag, or hybrid) will be tested at all Dialock terminals.
- > Häfele will produce a test report and issue an approval in the event of a positive test result.
- > Problem-free operation of the transponders with the Dialock system can only be guaranteed after certification has taken place.

	Cat. No.
Certification of external transponders	917.99.940

Order reference

Please provide 5 samples of an external transponder for testing. The external transponders will be retained by Häfele as reference samples.

DGH-B-INT 2019, HDE-en, 12/18; Dimensional data not binding. We reserve the right to alter specifications without notice.