CESentry Electronic handle set
Wide Shield EB12xx*

Reverse side

Access side

FSB1070 FSB1070G FSB1053 FSB1053G FSB1076

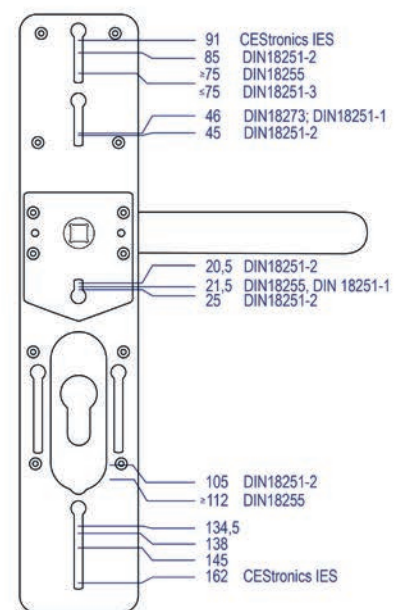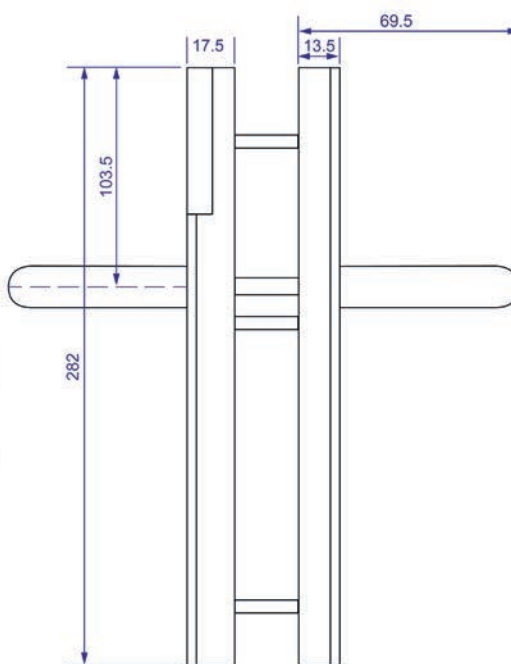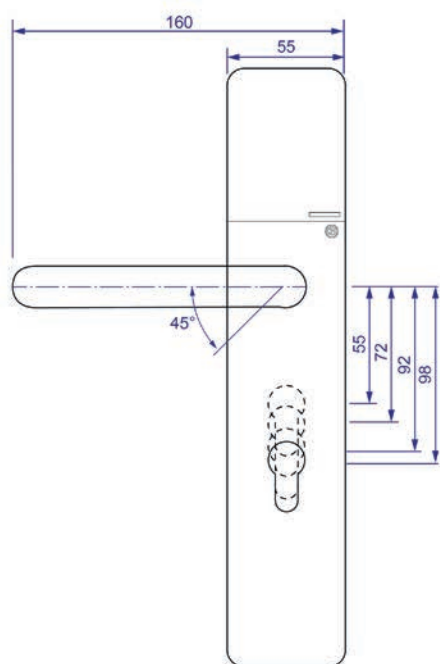| Value	Standard
91	CEStronics IES
85	DIN18251-2
≥75	DIN18255
≤75	DIN18251-3
46	DIN18273; DIN18251-1
45	DIN18251-2
20,5	DIN18251-2
21,5	DIN18255, DIN 18251-1
25	DIN18251-2
105	DIN18251-2
≥112	DIN18255
134,5	
138	
145	
162	CEStronics IES

*Full article designation dependent on version

All dimensions in mm

Technical data

Article designation	EB1200 │ EB1210 │ EB1220 │ EB1230 │ EB1250 │ EB1260 │ EB1270 │ EB1280	
Use	Wide shield for solid doors.	
	The design of the handle set enables drill-free mounting when replacing most handle sets designed to DIN/EN standards.	
	Conforms to DIN EN 179 and DIN EN 1125 with different locks and panic push bars.	
Versions	EB1200	Access side wide with reader
	EB1210	Access side wide with reader, reverse side narrow (mechanical)
	EB1220	Access side wide with reader, reverse side wide (mechanical)
	EB1230	Access and reverse sides wide with reader (dual version)
	EB1250	Reverse side narrow (mechanical)
	EB1260	Access and reverse sides wide (mechanical)
	EB1270	Access side wide with reader (EH*), reverse side wide (mechanical)
	EB1280	Access side wide with reader (EH*), reverse side narrow (mechanical)
Fire resistance rating	For devices with national technical approval:	
	120 minutes in accordance with DIN EN 1634-1 and DIN EN 18273	
Finishes	Special finishes as per CES programme or PVD coatings	

Dimensions

Door thicknesses	From 35 mm to 165 mm
Backsets	From 30 mm
Spacings	From 55 to 98 mm
Handle square hole	7 mm – 8 mm – 8.5 mm – 9 mm – 10 mm
Cylinder profile apertures	None, Euro profile, Swiss round profile, UK oval

Ambient conditions and service life

Protection class	IP 54
Outside shield temperature	−25 °C bis +65 °C at 0...95% rH non-condensing for the electronics
Inside shield temperature	−25 °C bis +65 °C
Prohibited atmospheres	Not suitable for use in corrosive atmospheres (chlorine, ammonia, lime water)
Handle set service life	200,000 cycles in accordance with DIN EN 16867, grade 7

Power/ voltage supply

Batteries	2 × 1.5 V AA (type: Energizer Ultimate Lithium)
Data retention	Date and time: min. 15 minutes
	Authorisations and other settings: unlimited
Precision RTC	Approx. 1 minute per year within temperature range -20 to +60 °C

Technical data [continued]

Standards supported	
Reading	LEGIC advant, all locking media ISO 14443
	MIFARE® DESFire®, all locking media ISO 14443 (not MIFARE Ultralight® C)
Data transfer	Bluetooth® Low Energy
Online radio frequency	2.4 GHz IEEE 802.15.4
Reading distance	Up to 20 mm
Interfaces	OSS-SO

Certificates	
Classification	DIN EN 16867 │ 4 │ 7 │ -- │ B │ 0 │ 3 │ 0/3 │ B │
Safety class	Optionally to DIN EN 18257 ES2 or to NEN SKG***

Programming	
Offline	via Bluetooth® Low Energy with Desktop-Writer
	via Bluetooth® Low Energy with smartphone (iOS/Android)
Online	Online network via Bluetooth® Low Energy with gateway (coming in august 2024)
Data transfer	Encrypted 128-bit/AES

Memory	
Number of events	Max. 2000

Battery life*	
Standby without access operations	Up to 10 years
Standby with < 10 access operations per day**	Up to 6 years
Max. number of opening/closing operations per battery pack**	Up to 100,000

*The information applies to an ambient temperature of 20 °C. Different temperatures, usage frequency or locking device parameter settings may result in strongly divergent values.

**Assuming: 2 out of 10 access operations are made by smartphone via Bluetooth Low Energy (data TBC).

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