CESentry electronic handle set
Wide Shield EB1270 / EB1280 / EB1271 / EB1281

Access side

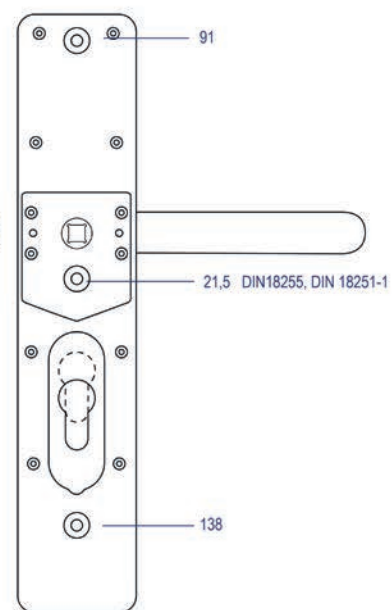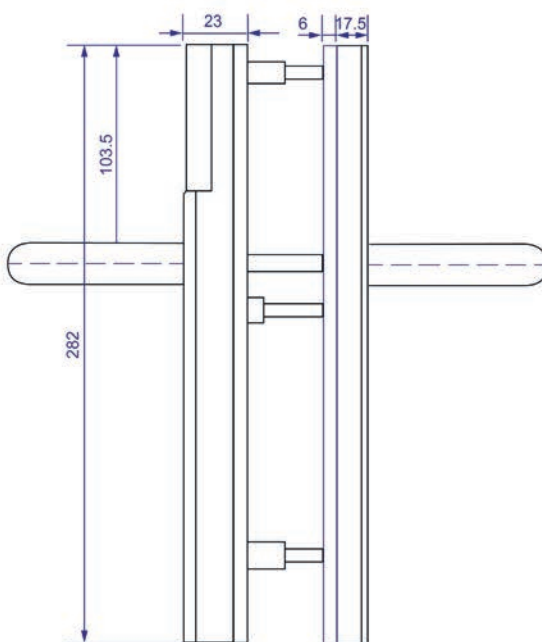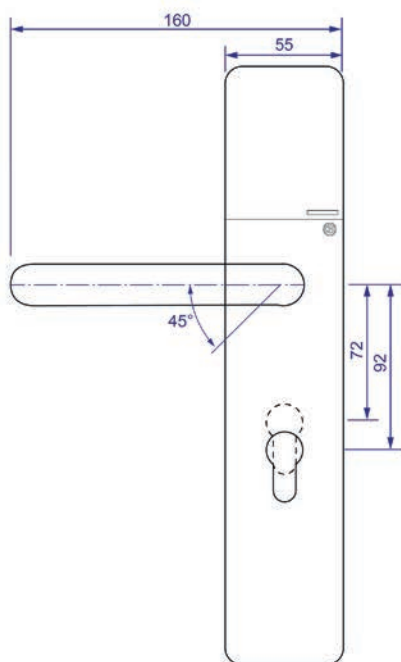Reverse side

FSB1070

FSB1070G

FSB1053

FSB1053G

FSB1076

Technical data

Article designation	EB1270 │ EB1280 │ EB1271 │ EB1281
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 or rosette handle sets with 38 mm centre distance. Conforms to DIN EN 179 and DIN EN 1125 with different locks and panic push bars.

Versions	Art.-Nr.	Characteristic
	EB1270	Access side wide with reader ES2, reverse side wide (mechanical)
	EB1280	Access side wide with reader ES2, reverse side narrow (mechanical)
	EB1271	Access side wide with reader SKG***, reverse side wide (mechanical)
	EB1281	Access side wide with reader SKG***, reverse side narrow (mechanical)

Fire resistance rating	General building authority approval in preparation
Finishes	Special finishes as per CES range or PVD coatings

Dimensions

Door thicknesses	From 35 mm to 125 mm
Backsets	From 30 mm
Spacings	From 72 mm to 92 mm
Handle square hole	7 mm – 8 mm – 8.5 mm – 9 mm – 10 mm
Cylinder profile apertures	None, Euro profile

Ambient conditions and service life

Protection class	IP54
Outside shield temperature	-25°C to +65°C at 0-95% rH non-condensing for the electronics
Inside shield temperature	-25°C to +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 L91 Ultimate Lithium)
Battery life*	Max. number of opening/closing operations per battery: up to 100,000
Data retention	Date and time: min. 15 minutes Authorisations and other settings: unlimited
RTC precision	Approx. 1 minute per year within temperature range -20°C to +60°C

Supported standards

Reading	LEGIC advant / MIFARE® DESFire®
data transfer	Bluetooth® Low Energy
Online radio frequency	2.4 GHz IEEE 802.15.4
Reading distance	Up to 20 mm
Interfaces	OSS-SO

Technical data (cont.)

Certificates	
Classification	DIN EN 16867:2022-02 │ 4 │ 7 │ -- │ B │ 1 │ 4 │ D │ 2 │ 3 │
Protection class	DIN EN 16867 ES2 (EB1270) or NEN SKG*** (EB1271 │ EB1281)
Programming	
Offline	Via Bluetooth® Low Energy with CESentry Desktop-Writer
	Via Bluetooth® Low Energy with smartphone (iOS/Android)
Online	Online network via Bluetooth® Low Energy with gateway (in preparation)
Data transfer	Encrypted 128-bit/AES
Memory	
Number of events	Max. 2,000
Number of locking media	Max. 5,000

*This information is valid for an ambient temperature of 20°C. Different temperatures, the type of use and locking device parameter settings may result in strongly divergent values.