CESentry Electronic handle set

Narrow Shield EB11xx*

Access side

Reverse side

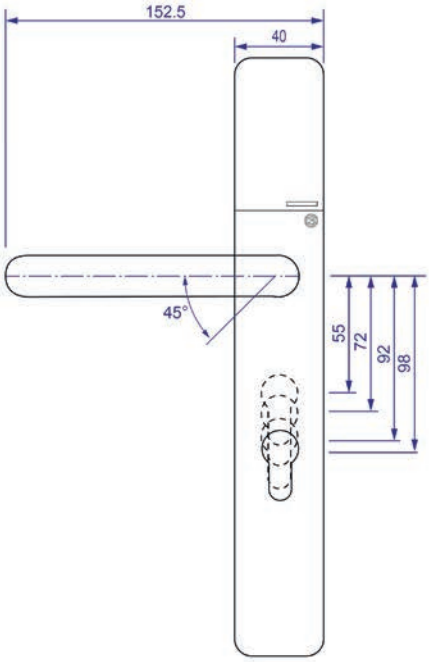
FSB1070

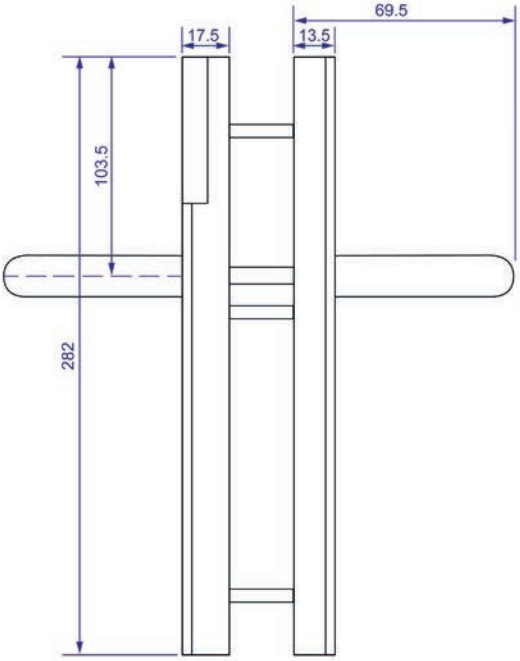
FSB1070G

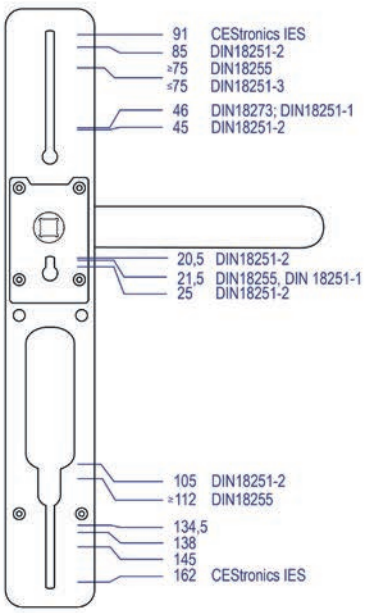
FSB1053

FSB1053G

FSB1076







*Full article designation dependent on version

All dimensions in mm

Technical data

Article designation	EB1100 | EB1110 | EB1120 | EB1130 | EB1150 | EB1160 | EB1170 | EB1180	
Use	Narrow shield for framed doors. The design of the handle sets 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	EB1100	Access side narrow with reader
	EB1110	Access side narrow with reader, reverse side narrow (mechanical)
	EB1120	Access side narrow with reader, reverse side wide (mechanical)
	EB1130	Access and reverse sides narrow with reader (dual version)
	EB1150	Reverse side only, narrow (mechanical)
	EB1160	Access and reverse sides narrow (mechanical)
	EB1170	Access side narrow with reader (EH*), reverse side narrow (mechanical)
	EB1180	Access side narrow with reader (EH*), reverse side wide (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 25 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 to +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 x 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 [cont.]

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 16867:2022-02 | 4 | 7 | -- | B | 1 | 4 | D | 0 | 0 |
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).

WEEE reg. no. DE 85643571