

CESentry Electronic handle set  
Narrow Shield EBI1xx\*



Access side



Reverse side



FSB1070



FSB1070G



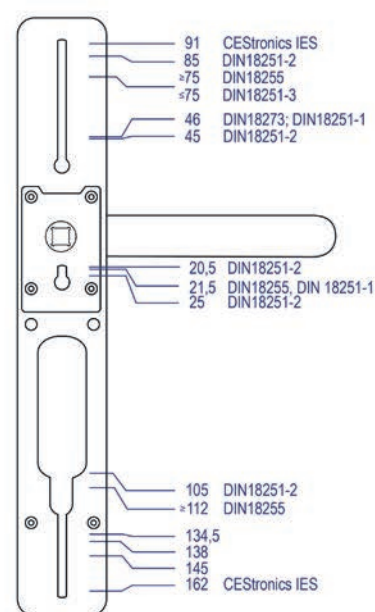
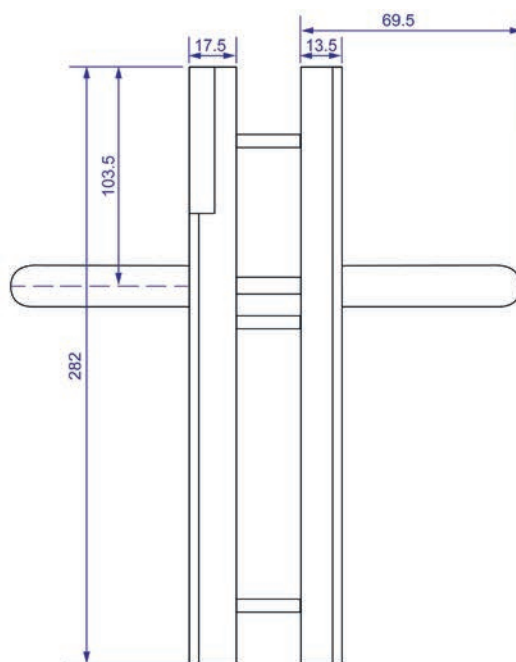
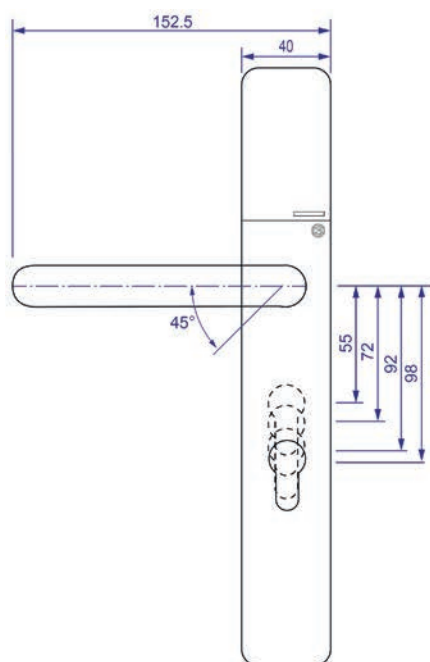
FSB1053



FSB1053G



FSB1076



\*Full article designation dependent on version

All dimensions in mm

## Technical data

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Article designation</b>                 | EB1100   EB1110   EB1120   EB1130   EB1150   EB1160   EB1170   EB1180                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Use</b>                                 | Narrow shield for framed doors.<br>The design of the handle sets enables drill-free mounting when replacing most handle sets designed to DIN/EN standards.<br>Conforms to DIN EN 179 and DIN EN 1125 with different locks and panic push bars.                                                                                                                                                                                                                                               |
| <b>Versions</b>                            | Access side narrow with reader<br>EB1110 Access side narrow with reader, reverse side narrow (mechanical)<br>Access side narrow with reader, reverse side wide (mechanical)<br>Access and reverse sides narrow with reader (dual version)<br>Reverse side only, narrow (mechanical)<br>Access and reverse sides narrow (mechanical)<br>EB1170 Access side narrow with reader (EH*), reverse side narrow (mechanical)<br>Access side narrow with reader (EH*), reverse side wide (mechanical) |
| <b>Fire resistance rating</b>              | For devices with national technical approval:<br>120 minutes in accordance with DIN EN 1634-1 and DIN EN 18273                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Finishes</b>                            | Special finishes as per CES programme or PVD coatings                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dimensions</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Ambient conditions and service life</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Power/ voltage supply</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Batteries                                  | 2 x 1.5 V AA (type: Energizer Ultimate Lithium)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Data retention                             | Date and time: min. 15 minutes<br>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<br>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<br>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).