

# Product data sheet

# **IQ lock EM DL \***



Electro-mechanical lever lock for the combination with  
access control systems on double leaf doors

## **AREAS OF APPLICATION**

- Double leaf emergency exit and panic doors
- Doors along escape and rescue routes
- Fire and smoke protection doors
- Access control systems

## PRODUCT FEATURES

- Mechanical self-locking ensures automatic crossbar projection every time the door is closed
- Unlocking of active leaf by activating passive leaf (full panic function)
- Divided cross latch prevents the bolt from locking even under side-load
- External door handle is decoupled from the lock mechanism
- Integrated feedback contacts make complete monitoring of the door possible
- Optional sabotage monitoring or cylinder contact
- Small rear backset and small dimensions of the lock case

## TECHNICAL DATA

|   |                           |
|---|---------------------------|
| Productname   | IQ lock EM DL *           |
| DIN direction   | left / right              |
| Service temperature                                   | -10 – 50 °C               |
| Supply voltage  | 12 V DC, 24 V DC, 48 V DC |
| Panic function / mechanical self-locking              | Yes                       |
| Divided cross latch (3 mm gap between latch and bolt) | Yes                       |
| Outside handle, can be electrically engaged           | Yes                       |
| Feedback contacts for lock states                     | Yes                       |
| Optional sabotage monitoring or cylinder contact      | Yes                       |
| Power consumption                                     | N/A, N/A                  |
| Contact rating  | 30 V / 500 mA             |
| Resistant to forcing                                  | 6000 N                    |
| Connector cable length                                | 15 m                      |

## VARIANTS / ORDER INFO

| Designation     | Description  | Ident-No. | Distance lock | Backset | DIN direction           |
|-----------------|--|-----------|---------------|---------|-------------------------|
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133863    | 72 mm         | 100 mm  | left (outward opening)  |
| IQ lock EM DL * | for tubular frame doors / rectangular faceplate 270 x 24 x 3 mm / operating voltage: 24 V DC / power consumption: approx. 210 mA / contact rating: / maximum 30 V / 500 mA | 133873    | 94            | 45 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular frame doors / rectangular faceplate 270 x 24 x 3 mm / operating voltage: 24 V DC / power consumption: approx. 210 mA / contact rating: / maximum 30 V / 500 mA | 133880    | 94            | 45 mm   | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 24 x 285 x 3 mm, fail-secure   | 161339    | 92 mm         | 35 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure  | 133858    | 92 mm         | 40 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure  | 133871    | 94 mm         | 35 mm   | left (outward opening)  |

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| Designation     | Description  | Ident-No. | Distance lock | Backset | DIN direction           |
|-----------------|--|-----------|---------------|---------|-------------------------|
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133877    | 78 mm         | 100 mm  | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133867    | 72 mm         | 55 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133860    | 72 mm         | 55 mm   | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133883    | 78 mm         | 80 mm   | right (outward opening) |
| IQ lock EM DL * | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133876    | 78 mm         | 80 mm   | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 24 x 235 x 3 mm, fail-secure  | 163825    | 72 mm         | 65 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 28 x 270 x 3 mm, fail-secure   | 162627    | 92 mm         | 35 mm   | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133882    | 78 mm         | 70 mm   | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 22 x 285 x 3 mm, fail-secure   | 163342    | 92 mm         | 40 mm   | right (outward opening) |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure  | 133878    | 94 mm         | 35 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133869    | 72 mm         | 80 mm   | right (outward opening) |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure  | 139366    | 92 mm         | 35 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133862    | 72 mm         | 80 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 22 x 285 x 3 mm, fail-secure   | 157379    | 92 mm         | 35 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 24 x 235 x 3 mm, fail-secure  | 163827    | 72 mm         | 65 mm   | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 22 x 285 x 3 mm, fail-secure   | 157380    | 92 mm         | 35 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 28 x 270 x 3 mm, fail-secure   | 162628    | 92 mm         | 40 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133870    | 72 mm         | 100 mm  | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 24 x 285 x 3 mm, fail-secure   | 161340    | 92 mm         | 35 mm   | right (outward opening) |
| IQ lock EM DL   | for tubular frame doors / rectangular faceplate 270 x 24 x 3 mm / operating voltage: 24 V DC / power consumption: approx. 210 mA / contact rating: / maximum 30 V / 500 mA | 133872    | 94            | 40 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 28 x 270 x 3 mm, fail-secure   | 162626    | 92 mm         | 35 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure  | 133874    | 78 mm         | 60 mm   | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 24 x 235 x 3 mm, fail-secure  | 163824    | 72 mm         | 80 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular frame doors / rectangular faceplate 270 x 24 x 3 mm / operating voltage: 24 V DC / power consumption: approx. 210 mA / contact rating: / maximum 30 V / 500 mA | 133879    | 94            | 40 mm   | right (outward opening) |

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| Designation     | Description   | Ident-No. | Distance lock | Backset | DIN direction           |
|-----------------|---|-----------|---------------|---------|-------------------------|
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 133884    | 78 mm         | 100 mm  | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 24 x 235 x 3 mm, fail-secure           | 163826    | 72 mm         | 80 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 133861    | 72 mm         | 65 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 24 x 285 x 3 mm, fail-secure  | 161357    | 92 mm         | 40 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure | 133857    | 92 mm         | 35 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 24 x 285 x 3 mm, fail-secure  | 161360    | 92 mm         | 45 mm   | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 22 x 285 x 3 mm, fail-secure  | 157381    | 92 mm         | 45 mm   | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 28 x 270 x 3 mm, fail-secure  | 162630    | 92 mm         | 45 mm   | right (outward opening) |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure | 133859    | 92 mm         | 45 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure | 139367    | 92 mm         | 35 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 28 x 270 x 3 mm, fail-secure  | 162629    | 92 mm         | 40 mm   | left (outward opening)  |
| IQ lock EM DL * | For tubular frame doors with rectangular face plate 24 x 285 x 3 mm, fail-secure  | 161359    | 92 mm         | 40 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 139369    | 72 mm         | 65 mm   | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 133881    | 78 mm         | 60 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 139368    | 72 mm         | 65 mm   | right (outward opening) |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure | 133865    | 92 mm         | 40 mm   | right (outward opening) |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure | 133866    | 92 mm         | 45 mm   | right (outward opening) |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 24 x 285 x 3 mm, fail-secure  | 161358    | 92 mm         | 45 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 22 x 285 x 3 mm, fail-secure  | 157382    | 92 mm         | 45 mm   | left (outward opening)  |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 133875    | 78 mm         | 70 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 28 x 270 x 3 mm, fail-secure  | 162631    | 92 mm         | 45 mm   | left (outward opening)  |
| IQ lock EM DL   | For tubular frame doors with rectangular face plate 22 x 285 x 3 mm, fail-secure  | 163343    | 92 mm         | 40 mm   | left (outward opening)  |
| IQ lock EM DL   | for tubular-framed doors with rectangular face plate 24 x 270 x 3 mm, fail-secure | 133864    | 92 mm         | 35 mm   | right (outward opening) |
| IQ lock EM DL   | For solid leaf doors with round face plate 20 x 235 x 3 mm, fail-secure           | 133868    | 72 mm         | 65 mm   | right (outward opening) |

## ACCESSORIES

### STRIKE BOX SOLID LEAF \*

Mechanical strike box as passive leaf rod locking element on double leaf doors



| Designation                   | Description   | Ident-No. | DIN direction | Backset |
|-------------------------------|---|-----------|---------------|---------|
| Strike box solid leaf doors * | without face plate / Distance of the screw points for locking bolts: 211 mm / the vertical locking bolts are positioned on / backset - 25mm positioned / (starting from handle) | 133904    | left / right  | 60 mm   |
| Strike box solid leaf doors * | without face plate / Distance of the screw points for locking bolts: 211 mm / the vertical locking bolts are positioned on / backset - 25mm positioned / (starting from handle) | 133903    | left / right  | 55 mm   |
| Strike box solid leaf doors * | without face plate / Distance of the screw points for locking bolts: 211 mm / the vertical locking bolts are positioned on / backset - 35mm / (starting from handle)            | 133908    | left / right  | 100 mm  |
| Strike box solid leaf doors * | without face plate / Distance of the screw points for locking bolts: 211 mm / the vertical locking bolts are positioned on / backset - 35mm / (starting from handle)            | 133907    | left / right  | 80 mm   |
| Strike box solid leaf doors * | without face plate / Distance of the screw points for locking bolts: 211 mm / the vertical locking bolts are positioned on / backset - 35mm / (starting from handle)            | 133905    | left / right  | 65 mm   |
| Strike box solid leaf doors * | without face plate / Distance of the screw points for locking bolts: 211 mm / the vertical locking bolts are positioned on / backset - 35mm / (starting from handle)            | 133906    | left / right  | 70 mm   |

### STRIKE BOX TUBULAR FRAME DOORS, LONG \*

Mechanical strike box as passive leaf rod locking element on double leaf doors



| Designation                             | Description  | Ident-No. | DIN direction | Backset |
|---|--|-----------|---------------|---------|
| Strike box tubular-framed doors, long * | without face plate, / for the use of / safety fittings / Distance of the screw points for locking bolts: 323 mm / the vertical locking bolts are positioned on backset | 133899    | left / right  | 35 mm   |
| Strike box tubular-framed doors, long * | without face plate, / for the use of / safety fittings / Distance of the screw points for locking bolts: 323 mm / the vertical locking bolts are positioned on backset | 133900    | left / right  | 40 mm   |
| Strike box tubular-framed doors, long * | without face plate, / for the use of / safety fittings / Distance of the screw points for locking bolts: 323 mm / the vertical locking bolts are positioned on backset | 133902    | left / right  | 55 mm   |
| Strike box tubular-framed doors, long * | without face plate, / for the use of / safety fittings / Distance of the screw points for locking bolts: 323 mm / the vertical locking bolts are positioned on backset | 133901    | left / right  | 45 mm   |

**DETACHABLE CABLE TRANSITION (12-POLE) \***

Guide of the connector cable to the door leaf



| Designation                             | Description   | Ident-<br>No. | Dimensions         | Type of installation                |
|---|---|---------------|--------------------|-------------------------------------|
| Detachable cable transition (12-pole) * | Detachable cable transition (12-pole) for active leaf / without connector cable                               | 152234        | 480 x 24 x 17.5 mm | in the door frame, in the door leaf |
| detachable drip loop (8-pole) *         | detachable drip loop (8-pole) for passive leaf / with connector cable 6m/3m / LiYY 8-wire 0.35mm <sup>2</sup> | 152233        | 480 x 24 x 17.5 mm | in the door frame                   |

**TUBULAR FRAME STRIKE BOX**

Mechanical strike box as passive leaf rod locking element on double leaf doors

**BOTTOM-CLOSING RECESS \***

Keeper for rod locking downward



\* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.