CES OMEGA FLEX
Electronic handle sets
Security Long Shield ILS SKG*** (ES2)
CES OMEGA FLEX - Security Long Shield ILS SKG*** (ES2)

Technical Data

<table>
<thead>
<tr>
<th>Part numbers</th>
<th>ILS / SKG*** (ES2)</th>
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</table>

Suitable locking media

<table>
<thead>
<tr>
<th>LEGIC</th>
<th>MIFARE® All locking media of the type LEGIC prime and LEGIC advant, all locking media to ISO 14443</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MIFARE® Classic® (1k/4k), MIFARE® DESFire® EV1 and EV2 (UID to ISO 14443 and application), all locking media ISO 14443 (except MIFARE Ultralight® C)</td>
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</tbody>
</table>

Reading range  
Approx. 20 mm

Online radio frequency  
868 MHz

RF range to Access-Point  
Max. 25 m

Encrypted data transmission
128 bit/AES

Variants
Narrow shield for use on narrow stile doors, wide shield for use on flush doors, combinations of the two types.

Power supply
Battery: 2 x Energizer Ultimate Lithium 1,5V AA

Number of locking media
Max. 5.000

Number of events
Max. 2.000

Number of Master media
Max. 1 System-Master, max. 10 Program-Master, max. 10 Time-Master, max. 10 Release-Master, max. 10 Block-Master, max. 10 RF-Stick-Master, max. 100 Emergency-Keys, RF-Ini-Master unlimited, RF-Trace-Master unlimited

Outdoor shield temperature
–25 °C to +70 °C for the electronics, in weatherproof standard

Indoor shield temperature
–25 °C to +70 °C

Prohibited atmospheres
Not suitable for use in corrosive atmospheres (chlorine, ammonia, lime water)

Service life of the ILS
Conforming to DIN EN 1906, Grade 7, 200,000 cycles

Service life of the battery
Approx. 100,000 locking cycles at 20 °C

Programming
With Master media, Offline via radio with RF-Stick, CEStronics RF-NET radio network, CEStronics V-NET virtual network

Fire resistance rating
120 minutes conforming to DIN EN 1634-1 and 18273 (T120)

Door thicknesses
From 35 mm to 165 mm

Backsets
From 25 mm

Distsances
72, 74, 92, 94

Handle square hole
9 mm

Available spindles
7 mm, 8 mm, 8,5 mm, 9 mm und 10 mm

Cylinder profile apertures
Euro (P2), CH (R2), UK (OZ)

Safety classes
NEN 5089:2009 SKG***
DIN EN 18257 ES2-L

CE testing
EN 300 220-1-2; EN 300 330-1-2; EN 301 489-1, 3; EN 60950-1, EN 62311

Ordering information
Required cylinder length  
22,5 mm + door thickness + 22,5 mm

Ordering example
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<tr>
<th>Article number</th>
<th>Multi-ID-System</th>
<th>Type</th>
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<th>SC</th>
<th>HI</th>
<th>CH</th>
<th>D</th>
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<td>LEGIC and MIFARE</td>
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<td>PB</td>
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