CES OMEGA FLEX
Electronic cylinder

**Half cylinder for turning levers**

Half cylinder with return springs and angled locking cams for use on server cabinets with turning levers. Enables the turning lever to be closed without the need for a locking medium.

*Half cylinder for turning levers
(Turning levers not included in delivery.*)

All dimensions in mm.
Technical data

Suitable locking media

**LEGIC version**
- All LEGIC prime and LEGIC advant-type locking media, all ISO 14443 locking media, HID iClass
- All others specified in "MIFARE version" below.
- Compatible with OSS-SO Standard with LEGIC advant and MIFARE DESFire

**MIFARE version**
- MIFARE® Classic® (1k/4k), MIFARE® DESFire® EV1 and EV2 (UID according to ISO 14443 and application), all ISO 14443 locking media (not MIFARE Ultralight® C)

Reading range
- Approximately 20 mm

Online radio frequency
- 868 MHz

RF range to Access-Point
- Max. 25 m

Encrypted data transmission
- 128 bit/AES

Connection values
- Battery: 1 x Panasonic CR2 Industrial Lithium 3.0 V 850 mAh

Number of locking media
- Max. 5,000

Number of events
- Max. 2,000

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

Opening duration
- 2 to 180 seconds, adjustable (optional) (standard: 10 seconds)

Temperature range
- -25 °C to +70 °C at 0 to 95% rH non-condensing

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

Programming
- With master media, offline with an RF-Stick, CEStronics wireless online network, CEStronics V-NET virtual network

Finish
- Stainless steel

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

Fire resistance rating
- T90 conforming to DIN EN 1634-1 (only for FH "F9..." electronic cylinders)

Classification conforming to DIN 18252:2018-05

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Variant</th>
<th>Type</th>
<th>Key-related security</th>
<th>Attack resistance</th>
<th>Panic function</th>
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<tbody>
<tr>
<td>Classification of electronic cylinders</td>
<td>E</td>
<td>E</td>
<td>6</td>
<td>0 / D*</td>
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**Attack resistance**
- 0 Standard version
- D Burglary proof in acc. with VdS and SKG***

Extensions

<table>
<thead>
<tr>
<th>(FH variants from 32.5)</th>
<th>Outside (S) / All dimensions in mm</th>
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<tbody>
<tr>
<td>---</td>
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</tr>
<tr>
<td>27.5</td>
<td>32.5</td>
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<tr>
<td>62.5</td>
<td>72.5</td>
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<td>87.5</td>
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Max. Axial dimension 87.5 mm. Extension in 5 mm steps.

Article numbers

<table>
<thead>
<tr>
<th>FH*</th>
<th>Standard</th>
<th>AP</th>
<th>GS</th>
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<tbody>
<tr>
<td>No</td>
<td>F815-x/½-102</td>
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<tr>
<td>Yes</td>
<td>F915-x/½-102</td>
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*FH = Fire retardant, suitable for fire protection doors up to T90