

CEMO Motor cylinder

CES Motor cylinder



CEMO Motor cylinder

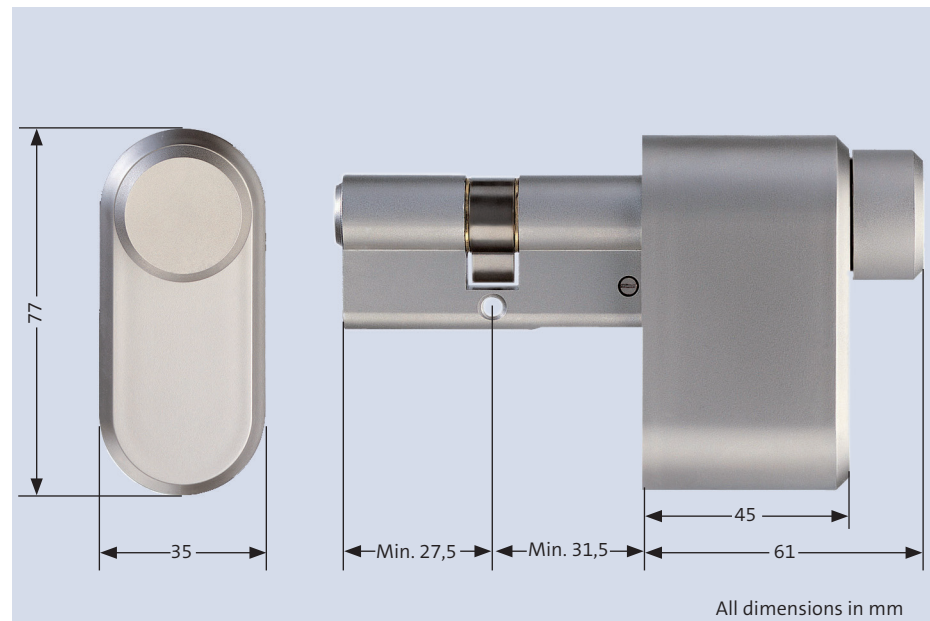
The CES motor cylinder CEMO automatically locks and unlocks doors and other devices or arrangements designed to keep things under lock and key. It is controlled by an integrated electronic control unit that transmits time-related or individual enable signals to the motor cylinder.

The motor cylinder can be controlled on the outside via an access control system – for example using RFID media – or by code entry. In the event of a power failure or in emergency situations, the CEMO can be operated like a mechanical cylinder using a key. On the inside, the motor cylinder can be operated via a release push button, through opening sensors, or by means of its mechanical thumbturn.

CEMO is fully compatible with all CES locking systems as from system S4000 and can be inserted in all locks prepared for profile cylinders. It supports the operation of locks with latch lever, dead-bolt only locks, multipoint locks and locks with anti-panic function.

Before installation on doors in escape and emergency routes, you must check if lock and motor cylinder are suitable for equipping the door

Fitting dimensions



Features

- Simple fitting, independent of the existing armature
- Extremely short opening and locking time (approx. 1.5 seconds for two locking turns and latch)
- Automatic identification of the lock function for: door opening direction (DIN left, DIN right), number of locking turns, anti-panic function
- 5 zero potential inputs for:
 - Permanent Open mode (daytime latch function)
 - Daytime/Nighttime mode switchover under time control of access control systems or external time switches
 - Unlock door command
 - Lock door command
 - Door monitoring via door contact
- 2 zero potential outputs for connecting indicating devices for door status and operating errors
- Automatic locking assistance for Unlock/Lock door knob operation

Content of delivery of CEMO full package

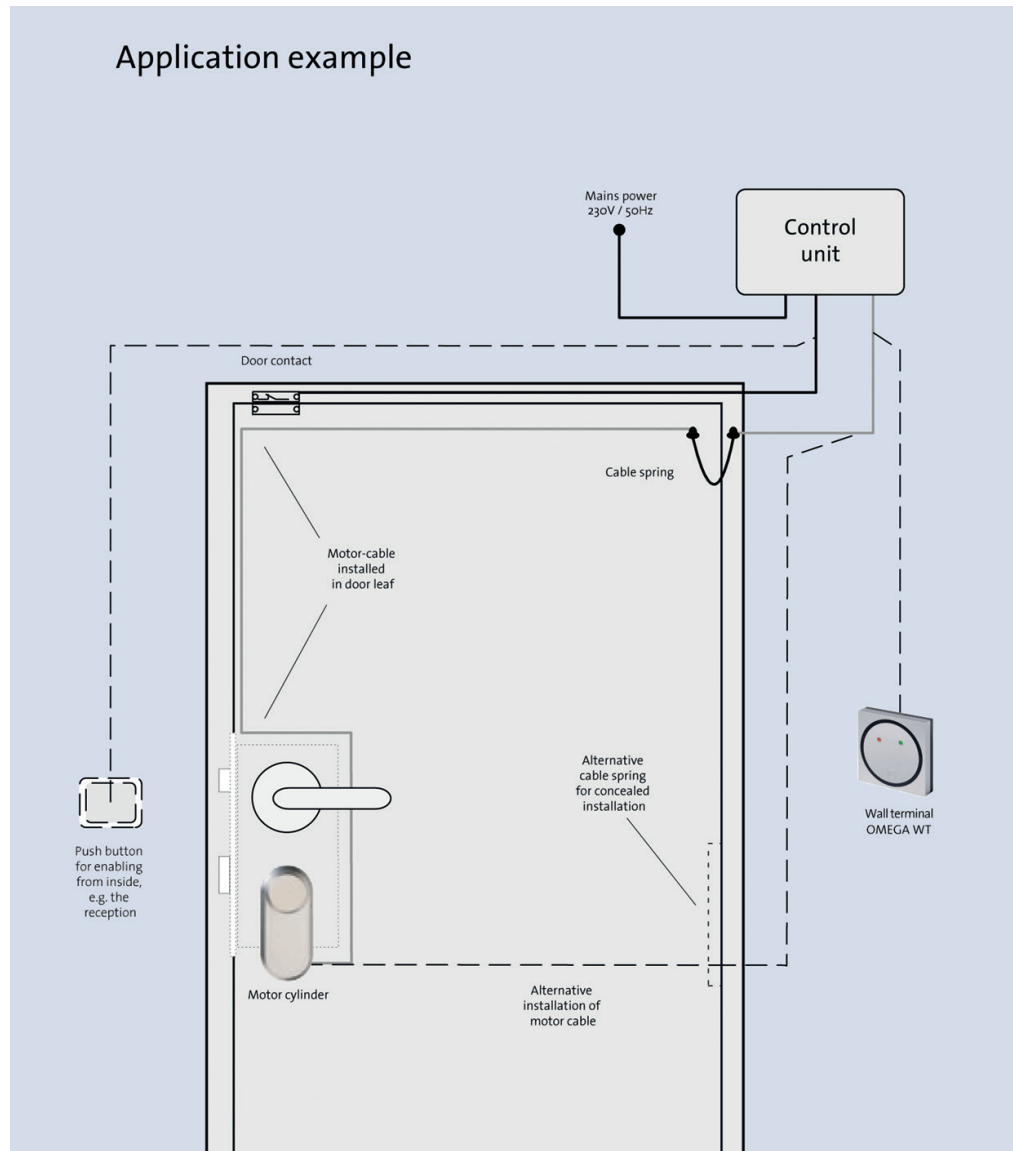
- Locking cylinder with 1 key and motor unit, mat chrome finish
- Controls, incl. power pack, in plastic housing
- 7m cable
- Door contact
- Cable spring

Options

- single (half) cylinder
- Without inside knob
- Without outside locking function

Other applications

- Automatic operation under motion detector control
- Centralized unlocking / locking under panel control
- Automatic unlocking / locking e.g. under building management system control
- Replacement for electrical door openers at doors that must be locked after daytime operation



Note

The components shown with dotted lines are application or combination options.

Control unit dimensions

W x H x T: 240 x 120 x 70 mm (height with screw fastening: 145 mm)

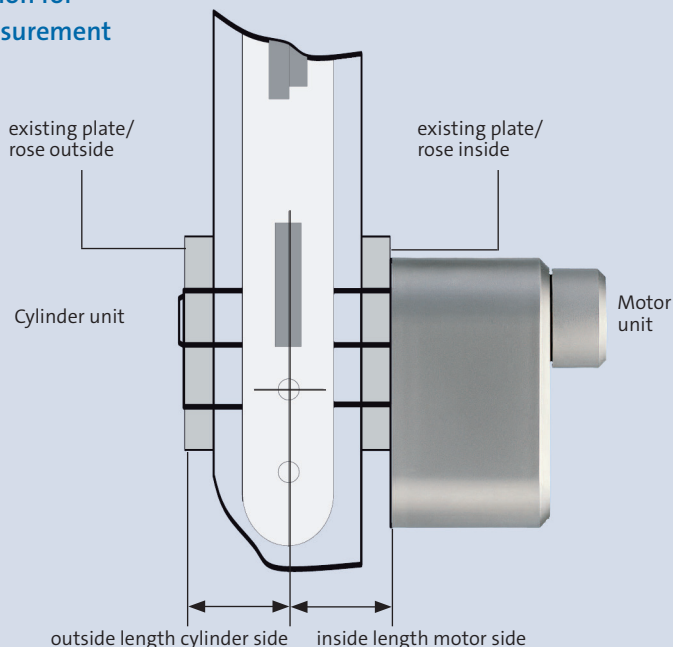
CEMO Motor cylinder

Order data example

System	DU6
System name	DU6xxxxx
Locking	Z1
Outside length	35,5
Inside length	31,5
Number of keys	3
Cylinder finish	MMV
Motor finish	MMCR

Please determine the inside and the outside length of the cylinder including armature (plate/rose). When indicating dimensions, remember that the cylinder must not lay inside the armature on the inside!

Section for measurement



Technical data

Minimum cylinder length	27.5/ 31.5 (outside/inside)
Maximum cylinder length	Pursuant to CES extension table
Optional motor housing colours	polished brass colour, other finishes upon request
Maximum torque	2 Nm
Time for one opening (2 turns bolt + latch)	Approx 1,5 seconds
Connecting cable cross-section (10 x 0.14; 7 m long)	6 mm
Operating voltage – control unit	24 V/AC
Operating voltage – power supply	115/230 V 50 Hz
Control enclosure protection	IP 65, EN 60529
Cable screw connections	M16 x 1,5
Contact definition of command input Unlock Door	Zero potential make contact – push-button
Contact definition of command inputs Permanent Open mode / Daytime/Nighttime mode switchover / Lock Door / Door contact)	Zero potential make contact – switch
Max. load of zero potential signal outputs	250 V / 5 A

C.Ed. Schulte GmbH Zylinderschlossfabrik

Friedrichstraße 243
D-42551 Velbert
☎ +49 2051 204 0
☎ +49 2051 204 229
✉ info@ces.eu