

## CES OMEGA FLEX

Electronic cylinder

# Dummy cylinder



*Euro profile cylinder*



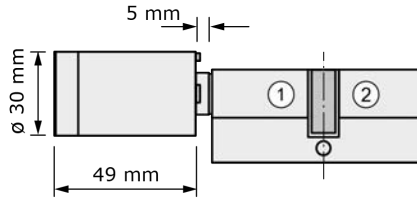
*Swiss round cylinder (Standard)*



*Swiss round cylinders (AP and GS)*

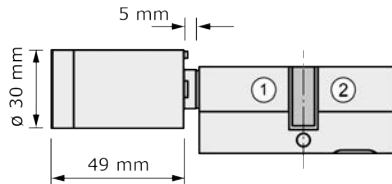
**Euro profile cylinder**

- ① Outside (Locking side "S")
- ② Inside (Knob side "K")



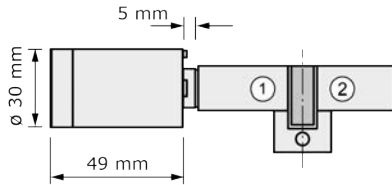
**Euro profile cylinders AP and GS**

- ① Outside (Locking side "S")
- ② Inside (Knob side "K")



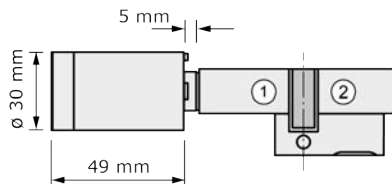
**Swiss round cylinder**

- ① Outside (Locking side "S")
- ② Inside (Knob side "K")



**Swiss round cylinders AP and GS**

- ① Outside (Locking side "S")
- ② Inside (Knob side "K")



**Article numbers**

**Euro profile cylinder**

FH *	Standard	AP	GS
no	F802/13-x	F802/13-x-AP	F802/13-x-GS
yes	F902/13-x	F902/13-x-AP	F902/13-x-GS

**Swiss round cylinder**

FH *	Standard	AP	GS
no	F602/13-x	F602/13-x-AP	F602/13-x-GS
yes	-	-	-

\*FH=Fire retardant, suitable for fire protection doors up to T90

## Technical data

<b>Suitable locking media</b>	
<b>LEGIC</b>	All locking media of type LEGIC prime and LEGIC advant, all locking media ISO 14443, HID iClass Additionally, all specified under "MIFARE"
<b>MIFARE</b>	MIFARE® Classic® (1k/4k), MIFARE® DESFire® EV1 and EV2 (UID conforming to ISO 14443 and application), all ISO 14443 locking media (not MIFARE Ultralight® C)
<b>Reading range</b>	Ca 20 mm
<b>Online radio frequency</b>	868 MHz
<b>Radio range to Access-Point</b>	Max. 25 m
<b>Encrypted data transmission</b>	128 bit/AES
<b>Connection values</b>	Battery: 1 x Panasonic CR2 Industrial Lithium 3,0 V 850 mAh
<b>Number of locking media</b>	Max. 5,000
<b>Events count</b>	Max. 2,000
<b>Number of master media</b>	Max. 1 System-Master, max. 10 Program-Master, max. 10 Time-Master, max. 10 Release-Master, max. 10 Block-Master, max. 10 RF-Stick-Masters, max. 100 Emergency-Keys, RF-Ini-Master unlimited, RF-Trace-Master unlimited
<b>Opening duration</b>	2 - 180 Seconds, Adjustable (optional) (Standard: 10 Seconds)
<b>Temperature range</b>	-25 °C bis +70 °C at 0...95% rH non-condensing
<b>Prohibited atmospheres</b>	Not suitable for use in corrosive atmosphere (Chlorine, Ammonia, Lime water)
<b>Service life of the locking cylinder</b>	DIN EN 1303 class 6 conform
<b>Service life of the battery</b>	at 20 °C: Ca 40,000 locking cycles   > 1 year at 80 locking cycles per day at /NET Standby mode: > 4 years (MIFARE )   >2 years (LEGIC)
<b>Programming</b>	With master media, offline with an RF-Stick, CESTronics Wireless online network; CESTronics V-NET virtual Network
<b>Finish</b>	Stainless steel.
<b>CE testing</b>	EN 300 220-1, 2; EN 300 330-1, 2; EN 301 489-1, 3; EN 60950-1, EN 62311
<b>Classification</b>	DIN EN 5684:2013-01
<b>Fire resistance rating</b>	T90 conforming to DIN EN 1634-1 (only for FH-electronic cylinder "F9...")

## Classification conforming to DIN EN 15684:2013-01

Characteristic	Use-class	Duration-frequency	Fire-/Smoke-resistance	Environment-resistance	Mechanical locking security	Electronic locking security	System-management	Attack-resistance
<b>Classification of electronic cylinders</b>	1	6	A/B*	4	A:	F	0/1/3**	0/2***

\* (Fire-/Smoke resistance) A: Standard version (= with Smoke protection)

B FH version (T90)

\*\* (System management)

0 For NoTime variants

1 For variants with deactivated storage of access events

3 For TIME-, NET- or V-NET-Variants

\*\*\* (Attack resistance)

0 Standard option

2 Options with burglary protection (VdS and SKG\*\*\*)

## Extensions

Inside (K) /All dimensions in mm (AP and GS from 32,5)							Outside (S) /All dimensions in mm (FH variants from 32.5)								
87.5	...	72.5	...	62.5	...	32.5	27.5	27.5	32.5	...	62.5	...	72.5	...	87.5
Max. Axial dimension 87.5 mm. Extension in 5 mm steps.							Max. Axial dimension 87.5 mm. Extension in 5 mm steps.								
Max. total length 175 mm.															

## Variants

	Variant	Meaning	Programming via..	Online/Offline
LINE (Authorisations are stored in the device)	/N	"NoTime" (No time profiles, no events available)	Master media and an RF-Stick	Offline
	/T	"Time" (Time profiles and events available)	Master media and an RF-Stick	Offline
	/NET	"Net" (Wireless online network, Time profiles and events available)	Master media, RF-Stick and Access-Point	Online
V NET (Authorisations are Stored in the locking media)	/NV	"NoTime" in V-NET (No time profile, no events are available)	RF-Stick	Offline
	/TV	"Time" in V-Net (Time profiles and events available)	RF-Stick	Offline
	/VA	"Validation" (Validation function, wireless online network, time profiles and events available)	RF-Stick and Access-Point	Online
RF  (Authorisations are stored in the device/in RF wireless operation Authorisations are stored in the wireless switch)	RF	Control via wireless switch	Only master media	Offline

## Options

Option	Meaning
SKG***	Anti-drilling and anti-pulling protection conforming to SKG ***
VdS	Anti-drilling and anti-pulling protection conforming to VdS 2156 BZ+ (not possible for variant N)
WP	Weatherproof conforming to IP65
ST	Soft touch coating of the knobs
HYG	Anti bacterial coating of the knobs

## Ordering options

Article number	Variant	Options	Finish	Length K	Length S
(F8... = No T90, F9... = T90, F6... = CH) (AP = Anti-panic, GS = Gearbox lock)			Standard = 0	(Knob side)	(Locking side)
F802/13-x	NET	ST	0	42.5	42.5