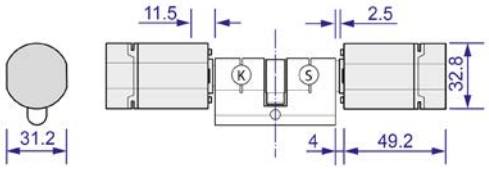
Dual cylinders EB8710 / EB6710

EB8710
EU profile cylinder

EB6710
Swiss round cylinder

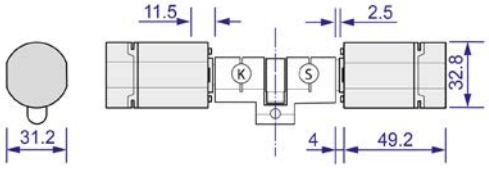
Dimensions

EU profile cylinder
EB8710



(K) Interior side (knob side)
(S) Exterior side (locking side)

Swiss round cylinder
EB6710



(K) Interior side (knob side)
(S) Exterior side (locking side)

Extensions

Interior side (K) / all dimensions in mm (AP from 30.5)						Exterior side (S) / all dimensions in mm					
90.5	...	65.5	...	35.5	30.5	30.5	35.5	...	65.5	...	90.5
Max. axial dimension 90.5 mm Extensions in 5 mm increments						Max. axial dimension 90.5 mm Extensions in 5 mm increments					
Max. total length 181 mm											

Classification according to DIN EN 15684:2013-01

Property	Category of use	Durability	Fire/smoke resistance	Environmental stability	Mechanical key-related security	Electronic key-related security	System management	Attack resistance
Classification of the electronic cylinder	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	No requirement
	2	Burglar-resistant options (VdS and SKG***)

Classification according to DIN 18252:2018-05

Property	Variant	Type	Key-related security	Attack resistance	Panic function
Classification of the electronic cylinder	E	E	6	0/D*	FZG/ R1**

* Attack resistance	0	No requirement
	D	Burglar-resistant (VdS and SKG***)
** Panic function	FZG	Standard version
	R1	AP version

Technical data

Article designation	EB8710 | EB6710
Use	The electronic cylinder serves to authorise the opening and closing of doors with locks designed for profile cylinders or for other locks that are actuated with profile cylinders, such as cam cylinders, padlocks, etc.
Versions	EB8710 EURO electronic cylinder, dual, E knob exterior, E knob interior EB6710 CH electronic cylinder, dual, E knob exterior, E knob interior
Fire resistance rating	120 minutes as per DIN EN 1634-1 and 18273 (for devices with general building approval)
Finishes	Stainless steel
Dimensions	
Basic length	30.5 / 30.5 mm
Ambient conditions and service life	
Protection class	IP54
Temperature range	-25°C to +65°C at 0 to 95% rH non-condensing
Prohibited atmospheres	Not suitable for use in corrosive atmospheres (chlorine, ammonia, lime water)
Useful life	200,000 cycles in accordance with DIN EN 16867, grade 7
Power/voltage supply	
Batteries	2x CR123A, 3 V (type Duracell Lithium)
Data retention	Date and time: min. 15 minutes Authorisations and other settings: unlimited
RTC precision	Approx. 1 minute per year within temperature range -20 to +60°C
Supported standards	
Reading system	LEGIC advant, all locking media ISO 14443 MIFARE® DESFire®, all locking media ISO 14443 (not MIFARE Ultralight® C)
Data transfer	Bluetooth® Low Energy
Online radio frequency	2.4 GHz IEEE 802.15.4
Reading distance	Up to 20 mm
Interfaces	OSS-SO
Certificates	
Classification	DIN EN 15684:2013-01
Safety class	Optionally to DIN EN 18257 ES2-L or to NEN SKG***
Programming	
Offline	via Bluetooth® Low Energy with Desktop-Writer EB via Bluetooth® Low Energy with smartphone (iOS/Android)
Online	Online network via Bluetooth® Low Energy with gateway
Data transfer	Encrypted 128-bit/AES

Memory	
Number of events	Max. 2,000
Battery life*	
Standby without access operations	Up to 10 years
Standby with < 10 access operations per day**	Up to 6 years
Max. number of opening/ closing operations per battery**	Up to 100,000

*The information applies to an ambient temperature of 20°C. Different temperatures, usage frequency or locking device parameter settings may result in strongly divergent values.

**Assumption: 2 out of 10 access operations are made by smartphone via Bluetooth Low Energy (data TBC).