

EZK - the smart
door handle

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The baserose houses a mechatronically controlled engaging device that allows the door to be operated upon positive identification being forthcoming (1).

A connection with the handle rose, the heart of the EZK system solution, is established by means of a cable run within the lock mortise (2).

The electronics have been designed to fit into a europrofile cylinder. The module is inserted into the lock and secured from the other side (3).

“Simple is better than complicated.”

That’s the dictum of Dieter Rams, former designer-in-chief at Braun AG.

Or – in other words: technology should serve people in the first instance - and not the other way round.

We at FSB felt that there was a case for looking into the merits of electronic access control systems not only on aesthetic grounds but also and in particular taking account of user-driven and hence ergonomic factors.

More ergonomic, rapid and straightforward

We set ourselves the goal of easing and accelerating this routine, of heeding the inherently human need for simplification: we directly connected the process of electronic identification with a mechatronic module squeezed into the handle rose.

Forming the heart of this masterpiece of precision mechanics is an electronically-controlled engaging device that ensures immediate operation of the lock via the door handle upon positive identification being forthcoming.

Unitary closing concept for internal and external doors

EZK is just the thing for major buildings, notably of a corporate, administrative or official nature, where levels of public traffic or dealings with sensitive or personal data are increasingly lending prominence to aspects of organisational security as opposed to “high-profile” anti-burglary measures.

The EZK hardware system can be supplemented by corresponding modules and software solutions relating to the capture of time or personal data as a means of fulfilling such requirements.

The same applies to hotels: although “organisational security” assumes different forms here, the structural requirements are virtually the same as for office blocks. Of particular significance for hoteliers is the great convenience of operation of EZK, since access identification takes place without contact and hence quite effortlessly.

Also available are a plethora of interfaces for hotel booking systems. Combining the system with BlueChip cylinders, moreover, allows time/cost-cutting organisational solutions to be devised for staff areas or external points of access (also cf. page 306).

EZK embodies a modular organisation concept that is precision-tailored to the aspirations and needs of users as well as being readily adaptable or expandable. Planning and installation are single-source – performed by FSB, one of the most celebrated brands known to the project building sector.



2505 Design 1005



2515 Design 1015



2516 Design 1016



2523* Design 1023



2535 Design 1035



2576 Design 1076



2577 Design 1077



2578 Design 1078



2606 Design 1106



2607 Design 1107



2608 Design 1108



2619 Design 1119



2644 Design 1144



2646 Design 1146



2647 Design 1147



2660 Design 1160

(Selection of available lever designs)

25..

26..

- Aluminium
- AluGrey
- Stainless steel
- Bronze*

Planning merits of EZK

- self-supporting closing system with no on-site preparations for power supply and no connections to external interfaces
- simple and flexible applications, suits all EPC locks as laid down in DIN
- effortlessly retrofitted to existing doors
- matching member of the FSB range of door and window hardware and products for the interior design of buildings, with unitary finishes in Aluminium, Alu-Grey, Stainless steel and Bronze
- single-source product involving one interlocutor

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EZK - convenient solutions

User-friendly and cost-effective solution for hotels

There are comparable requirements for hotels: here, too, it is necessary in particular to handle frequently changing room occupancies of limited duration. There is also a need to be able to respond with no delay, fuss, risk or expense to keys or identifying media being mislaid or pocketed by mistake.

What makes EZK so compelling for hotel guests is its great convenience: passive transponder technology (the "smartness" being in the hardware and not the card) renders the insertion of keys or the manual releasing of bolts to open doors obsolete. The virtually silent mechatronics under the handle rose allow the door to be opened instantaneously. At the same time, designer handles assure a tasteful ambience with a living-room feel.

The "Hotel Function" software interface makes for troublefree link-ups with the "Fidelio", "Protel" and "Hotline" hotel booking systems. Additionally available is a "time function" that automatically deletes access authorisation after a defined time.



EZK ideally maps the "suite function": it is possible, for instance, to provide access to two separate rooms from a single point - an ideal solution for families. Or else one room can have another one added, where so requested by a guest, by entering extended access authorisations on the guest's card.

EZK - security solutions

System benefit: secures external points of access

Besides its multifarious merits in respect of lost keys, EZK is a system solution that, amongst other things, enables processes and work routines in hotels to be organised more efficiently and hence economically. Depending on the booking category involved, separate access authorisations can be awarded to guests for exclusive hotel areas (wellness, spa) just as they can to external service providers (laundries) that may, for instance, regularly require a means of access from outside to the washing store.

Proven BlueChip technology facilitates easy integration of BlueChip profile cylinders into the EZK hardware system, furthermore. These cylinders allow locks to be operated – as in mechanical closing systems – by inserting and rotating a key. Thus it is likewise possible to integrate all FSB fittings – including, for instance, FSB security hardware or armoured roses in combination with no-frills FSB door pulls – into a fully-fledged electronic access control system serving to safeguard external points of access.

BlueChip cylinders guarantee security-level protection – notably at external points of access – in compliance with DIN 18 257 and VDS Security Class B assuming all the hardware elements involved have been tested and certificated to DIN EN 1906 - which is certainly the case with the whole range of FSB security fittings. Convenient, security-driven solutions can be put to effect in combination with wall scanners and e-openers or motor-operated closing elements.

EZK guarantees fine visuals and a living-room feel and can also be retrofitted to existing doors.



Convenient, security-driven solutions can be put to effect in combination with wall scanners and e-openers or motor-operated closing elements



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