



Specifications

"AirKey" Access Control System

AirKey version 2.4 EN

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1 Preface

1.1 Guaranteeing proper use

The access control/locking system offered must comply with the standards of an industrially produced security product and standardised service in terms of scope, design, project planning, delivery, installation and commissioning. The product and service to be offered must meet the most recent technical standards.

1.2 Guaranteeing the bid

Bidders must obtain detailed information about the specifications of all services prior to submitting the offer. After having submitted the offer, no claims in terms of changes to pricing or having incorrectly interpreted the description, etc. shall be taken into account on the basis of inaccurate information about the required services. If bidders have the impression that individual parts have not been (adequately) described, they shall specify and describe these as part of an additional offer upon submitting the bid. Additional costs incurred as a result of not having observed this information shall not be remunerated. The regulations, standards and accepted technical regulations applicable to designing access control/locking systems valid at the time the offer is submitted shall apply to this offer, its implementation and remuneration. If applicable, all components shall comply with CE and in particular EMC (electromagnetic compatibility) as well as R+TTE directives (radio-controlled systems).

1.3 Guaranteeing comparability

The makes and services stated in these specifications shall be mandatory in terms of design and material. This is intended to make the offers suitable for specific comparison. Alternative offers shall be permitted. However, they must be listed and highlighted as alternative offers. In these cases, all items must feature new texts, production numbers and type data. In this event, the bidder shall be responsible for compliance with the obligation of verification.

1.4 Guaranteeing quality standards

The manufacturer shall provide verification of the suitability in terms of quality by submitting an ISO 9001 certificate issued by an accredited certification authority:

Manufacturers must have integrated a quality management system in compliance with the requirements of the correspondingly valid version of ISO 9001 and they must have verified the application and continuous development of the quality management system as part of a valid certificate issued by an independent, accredited certification authority.

2 System description

- The AirKey electronic access control system consists of non-wired mechatronic cylinders, mechatronic padlocks and/or wall readers (offline AirKey components).
- Mobile phones compatible with NFC or BLE may be used for identification at the offline AirKey component readers. Alternatively, Java Card identification media (cards, key tags, mini tags or combi keys) may also be used. In all cases, identification is contactless.
- The system is managed using an online administration tool operated and hosted by the manufacturer to control the entire access system using a graphical, browser-based user interface. Access to the online administration tool is possible from anywhere in the world and at any time using a PC with internet connection.
- Configurations may be transferred to the offline AirKey components using NFC/BLE mobile phones with appropriate authorisations ("maintenance mode") or using a coding station.
- New or changed access authorisations can be transferred to NFC/BLE mobile phones "over-the-air" using mobile phone networks or WiFi networks. Authorisations are saved in a previously installed application (AirKey app) on the NFC/BLE mobile phone.
- No dedicated SIM cards or any other type of system-specific hardware expansions are required to use NFC/BLE mobile phones as identification media.
- Minimum requirements for using mobile phones as identification media:
NFC Android version 5.0
BLE: Version 4.0
- New or changed access authorisations may be transferred to Java Card identification media (cards, key tags, mini tags or combi keys) using either a coding station connected to a PC workstation or an authorised NFC/BLE mobile phone.
- Access events triggered by each NFC/BLE mobile phone, the battery status of the AirKey components and further, relevant information (e.g. information on incorrect time settings in an AirKey component or pending firmware updates) are regularly transferred from the NFC/BLE mobile phones to the online administration via the mobile phone network or WiFi.
- The access control system is designed to manage systems in arbitrary and different, individual geographical locations. The system also supports managing locations in different time zones within one access control system with several administrators, if desired.
- Individual AirKey components within a system can be part of several access control systems (up to 96).
- AirKey components can be located by means of GPS coordinates, if required, or by entering the address in the online administration tool.
- The mechatronic lock cylinder and the mechatronic padlock are battery-powered and fitted in doors, or in the units to be locked, without requiring any cabling.
- In the event of power cuts, it is possible to open the AirKey components with an emergency power device.
- Audible and visual signals for authorised and non-authorised media as well as during the identification process.
- Battery-powered door components use visual and audible warning signals to indicate a necessary battery replacement in due time.

3 Mechatronic lock cylinder

3.1 General description

The mechatronic lock cylinder:

- Is equipped with one/two-sided authorisation verification. The standard variant [E.A.PZ.KZ-S] features an electronic reader unit on the non-secured access side and a mechanical thumb turn on the secured inside. The two-sided variant [E.A.PZ.DZ-S] features an electronic reader unit on both sides. The one-sided, mechatronic lock cylinder [E.A.PZ.HZ-S] features an electronic reader unit on the non-secured access side.
- Features a freely turning, electronic reader unit on the access side which grants access upon presenting an authorised identification medium. The thumb turn must subsequently be turned to open the door.
- Features an integrated real-time clock (RTC) with time zone control and automatic switchover for summer and winter time in accordance with the selected world time zone.
- It does not require cabling in the door. It is possible to disassemble the outside or inside thumb turn for installation/removal. For reasons of security, the electronic reader unit can be removed only using a manufacturer-specific, special tool.
- Features an electronic activation system, for security, behind the section of the mechatronic lock cylinder with drilling protection to prevent unauthorised opening by manipulation (e.g. forceful removal of the electronic reader unit).
- Features a motorised release mechanism that protects the mechatronic lock cylinder from magnetic and mechanical manipulation (e.g. rotation, impact etc.).
- Features a modular design (SYMO) to be able to modify the length or make local, system-specific modifications, carried out by a specialist company.
- Features battery management, which visually and audibly warns users 1,000 access events prior to reaching a critical battery state.
- Identification technology: NFC and/or BLE
- Simple, wireless firmware updates using NFC/BLE mobile phones with maintenance mode authorisation

Hybrid cylinder variant

The mechatronic hybrid cylinder:

- This component corresponds to the general description of mechatronic lock cylinders as per 3.1 and/or can additionally be integrated into a mechanical locking system. The lock cylinder features an electronic reader unit on one cylinder side and a mechanical locking mechanism on the opposite side that is compatible with modular EVVA locking systems.
- The access side featuring the electronic reader unit can be operated using identification media (card, key tag, etc.). In contrast, the mechanical side is unlocked using a mechanical key. Consequently, it is possible to combine a purely mechatronic locking system and a purely mechanical locking system in one single door.

3.2 Technical data and operation

- Areas of application: - 20 °C to + 55 °C, air humidity < 90 % non-condensing
- Operated with commercially available CR2 batteries
- Normal operation: up to 30,000 access events per battery cycle

3.3 Registrations and certification

Tested and certified by an independent, accredited test institute as per EN 15684 - Mechatronic cylinders: Requirements and test methods:

Classification key: 1 6 B 3 A F 3 2

- Usage category 1: for users with high levels of security awareness and a low risk of improper use
- Durability 6: 100,000 cycles
- Fire/smoke resistance B: for use in fire safety/smoke protection doors categorised as per EI 90 and tested as per EN 1634-1
- Corrosion resistance 3: high levels of environmental resistance and functional reliability
- Mechanical locking security A: no requirement for a mechatronic lock cylinder featuring an electronic reader unit
- Electronic locking security F: Data transfers from the mechatronic lock cylinder to identification media must be highly encrypted and feature a minimum of one billion electronic codes
- System management 3: access event logs and schedule-based areas must be listed
- Attacking resistance 2: integrated drilling and plug pulling protection as well as additional, technical measures to physically protect against unwanted intruders

Tested and certified by the SKG-ICOB test institute in accordance with SKG***.

Tested and categorised on the basis of EN 60529 – Protection ratings of electronic operating units: IP code:

- IP65 protection rating: suitable for use indoors and outdoors (in areas without protection against weather conditions)
- Suitable for use in burglary-resistant doors as per ÖNORM B 5338 resistance class 4 (ÖNORM B 5351 WMZ 4-BZ) and recommended for burglary-resistant doors as per EN 1627 RC4
- The correspondingly valid building regulations or restrictions must be taken into account for use on doors in emergency exit routes. The lock manufacturer has verified suitability for use of the mechatronic lock cylinders in emergency exits as per EN 179 or in panic doors as per EN 1125 on emergency escape routes in a declaration of conformity.
- A declaration of conformity for general use of the mechatronic lock cylinder is available.

4 Mechatronic cam lock cylinder

4.1 General description

The mechatronic cam lock cylinder:

- is equipped with authorisation verification. The standard variant features an electronic reader on the access side.
- the standard variant is available with a diameter of 19mm [E.A.HB.MB19], 22mm [E.A.HB.MB22] and 27mm [E.A.HB.MB27].
- Features a blocked electronic reader unit on the access side which grants access upon presenting an authorised identification medium. The thumb turn must subsequently be turned to press the lever.
- Allows event logging of both the opening and locking processes.
- Features an integrated real-time clock (RTC) with time zone control and automatic switchover for summer and winter time in accordance with the selected world time zone.
- Features an electronic activation system relevant to security behind the section of the mechatronic lock cylinder with drilling protection to prevent unauthorised opening by manipulation (e.g. forceful removal of the electronic reader unit).
- Features a motorised release mechanism that protects the mechatronic lock cylinder from magnetic and mechanical manipulation (e.g. rotation, impact etc.).
- Features battery management, which visually and audibly warns users 1,000 access events prior to reaching a critical battery state.

4.2 Technical data and operation

- Operating range: - 20 °C to + 55 °C, air humidity < 90 %, non-condensing
- Operated with commercially available CR2 batteries
- Normal operation: up to 30,000 access events per battery cycle

4.3 Registrations and certification

Tested and categorised on the basis of EN 60529 – Protection ratings of electronic operating units: IP code:

- IP65 protection rating: suitable for use indoors and outdoors (in areas without protection against weather conditions)
- A declaration of conformity for general use of the mechatronic lock cylinder is available.

5 Mechatronic padlock

5.1 General description

The mechatronic padlock:

- is equipped with authorisation verification. The standard variant [E.A.HA.HM24-S] features an electronic reader unit on the bottom.
- Features a freely turning, electronic reader unit on the bottom which allows operation of the lock upon presentation of an authorised identification medium. The thumb turn must subsequently be turned to open the padlock and to lock it.
- Allows event logging of both the opening and locking processes.
- Features an integrated real-time clock (RTC) with time zone control and automatic switchover for summer and winter time in accordance with the selected world time zone.
- Features an electronic activation system relevant to security behind the section of the mechatronic lock cylinder with drilling protection to prevent unauthorised opening by manipulation (e.g. forceful removal of the electronic reader unit).
- Features a motorised release mechanism that protects the mechatronic lock cylinder from magnetic and mechanical manipulation (e.g. rotation, impact etc.).
- Features battery management, which visually and audibly warns users 1,000 access events prior to reaching a critical battery state.

5.2 Technical data and operation

- Operating range: - 20 °C to + 55 °C, air humidity < 90 %, non-condensing
- Operated with commercially available CR2 batteries
- Normal operation: up to 30,000 access events per battery cycle

5.3 Registrations and certification

Tested and categorised on the basis of EN 60529 – Protection ratings of electronic operating units: IP code:

- IP65 protection rating: suitable for use indoors and outdoors (in areas without protection against weather conditions)
- A declaration of conformity for general use of the mechatronic lock cylinder is available.

6 Wall readers and control units

6.1 General description

The wall reader:

- This is a reader unit that is installed on the wall and is connected to the associated control unit via a cable. The distance between wall reader and control unit can be up to 100 metres. As a rule, one control unit must be used per wall reader.
- Features manipulation and tampering control, monitored by the external control unit located in a secured area. If wall readers have been tampered with, e.g. forcefully removed, the wiring does not grant access to facilities or data.
- The standard variant [E.A.WL] features a high-grade glass front panel and is suitable for surface or flush-mounted installation.
- Features an electronic reader unit that grants access upon presenting an authorised identification medium. An external locking component (e.g. motorised lock, electrical door opener, motorised cylinder etc.) is actuated via an isolated contact following successful verification of the authorisation.
- The component must be connected to the control unit via CAT5 cabling provided by the client on site.
- Features two isolated relay outputs in the control unit to allow actuation of an external locking component, sensor or monitoring system.
- Features an integrated real-time clock (RTC) with automatic switchover for summer and winter time.
- The component provides a time setting and data buffer of up to 72 hours in the event of a power cut.
- Features a permanently illuminated function display to improve localisation.

6.2 Technical data and operation

Wall reader:

- Operating range: - 25 °C to + 70 °C, air humidity < 90 % non-condensing

Control unit:

- Operating range: - 25 °C to + 70 °C, air humidity < 90 % non-condensing
- Required power supply: +/-12 - 24 V DC (mains adapter optionally available)
- Switching power for the two relay outputs: max. 250 V AC, temporary max. 16 A (ohmic), permanent max. 10 A (ohmic)

6.3 Registrations and certification

Wall reader:

Tested and categorised on the basis of EN 60529 – protection ratings of electronic operating units: IP code:

- IP65 protection rating: suitable for use indoors and outdoors (in areas without protection against weather conditions)
- A declaration of conformity for general use of the wall reader is available.

Control unit:

Tested and categorised on the basis of EN 60529 – protection ratings of electronic operating units: IP code:

- IP 54 protection rating: for indoor use in secured areas

7 Accessories

7.1 Passive identification media

- The identification media used meet the EAL5+ industrial standard and they are therefore also used as identification media by other manufacturers.
- The identification media are high-security passive NFC smartcards (Java cards) which are EAL5+ certified, maintenance-free and are read or written to using a contactless system.
- The identification media are available as cards, key tags, mini tags and combi keys (mechanical keys with an identification medium integrated into the key bow).

7.2 Combi media

- Identification media combined with a mechanical key to operate mechanical and electronic locking systems

8 Administration

8.1 Online administration

The online administration:

- This is used to configure and manage the entire access control system via an intuitive and simple online administration system
- Used for the administration of an unlimited number of AirKey components, areas, persons and media
- Performance characteristics of the managed AirKey components
 - The last 1,000 protocol entries are saved
 - A maximum of 1,000 blacklist entries can be managed
 - A maximum of 96 areas can be assigned
 - A maximum of 250 authorisations to further clients can be assigned
- Performance characteristics of the managed identification media:
 - A maximum of 256 protocol entries are saved
 - A maximum of 150 authorisations can be assigned to individual doors and 100 authorisations to areas
 - If you assign only individual authorisations with eight different, periodic access events, you can merely assign a total of 96 authorisations
- Performance characteristics of the NFC/BLE mobile phone app:
 - A maximum of 256 protocol entries are saved
 - Unrestricted number of authorisations for individual doors and areas (until the upper database limit of the app in the smartphone has been reached)
- Allows time profiles to be defined at ten minute intervals.
- Automatic summer/winter time changeover
- Importing of person lists via CSV format
- Several independent administrators can be set up
- Option of sending access authorisations to mobile phones via push notification with individual text ("Send a key")
- Online assistant ("Wizard") to help with online administration work
- Prioritisation of maintenance tasks
- Door areas can be created for simpler administration of several doors
- Log of all access events of the corresponding door components
- Export of log files in CSV format
- Event logging can be deactivated for door components on an individual basis if required (privacy by design)
- Log of all access events of the corresponding persons
- Event logging can be anonymised for personal data protection reasons if required (privacy by design)

- Authorisation and release for manual office mode is possible
- Public holiday calendar administration – no automatic opening on public holidays
- Option of creating identification media that is permanently authorised at all door components in a defined area without expiry of the validity (“fire service identification media”)

9 API (application programming interface)

9.1 REST API for third-party systems

- The API:
- is used for integration into third-party systems of the customer
- is used for communication with and operation of the access system online administration by existing third-party systems
- allows it, i.a. control the following functions of the access control system via third-party systems:
 - Create persons via third-party systems or manage personal data
 - Manage smartphones or passive media via third-party systems
 - Assign smartphones or passive media to persons
 - Authorize smartphones or other media to access locks or areas via third-party systems
 - Change authorization via third-party systems
 - Send authorization SMS via third-party systems
 - Retrieve log entries from online administration in third-party systems
 - Retrieve additional administration and house-keeping like blacklists, credits, holiday calendars, and maintenance tasks via third-party systems

10 Project planning and management of a security system

- Review
- Refining the security solution concept
- Clarifying important standards and guidelines
- Specifying the actual product solution
- Compiling a bill of materials
- Defining services and items to be provided by clients in advance
- Estimating labour costs for project planning, assembly/installation, transit times
- Creating a project schedule
- Compiling assembly/installation schedules
- Coordinating with third parties
- Creating wiring diagrams
- Logistics and procurement planning
- Project support
- Site consultation meeting
- Documentation

11 Installing and commissioning door components

- Installation of door components
- Initialisation of door components
- Functional test of door components

12 Commissioning and final inspection of the system

- Software installation
- Setting up the PC and guaranteeing system requirements
- Supporting in creating the locking chart
- Software programming and configuration
- Authorising three identification media per individual user group
- Installation ID medium to unlock doors during installation

13 Specification items

Manufacturer:

Product/system subject to the offer:

Specifications	Project: Sample specifications		
	Project no.: 00001		
No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)

Item 1.0 Mechatronic lock cylinder with one-sided authorisation verification
 From 31/31 mm to a total length of 92 mm, nickel plated European profile, including battery

Product subject to offer: EVVA
 Type: E.A.PZ.KZ-S.[Outer length]/K[Inner length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 1.1 Mechatronic lock cylinder with one-sided authorisation verification
 From 31/31 mm to a total length of 92 mm, round profile 22, nickel plated, including battery

Product subject to offer: EVVA
 Type: E.A.PZ.RKZ-S.[Outer length]/K[Inner length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 2.0 Mechatronic lock cylinder with two-sided authorisation verification

From 31/31 mm to a total length of 92 mm, nickel plated European profile, including battery

Product subject to offer: EVVA
 Type: E.A.PZ.DZ-S.[Outer length]/K[Inner length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 2.1 Mechatronic lock cylinder with two-sided authorisation verification

From 31/31 mm to a total length of 92 mm, round profile 22, nickel plated, including battery

Product subject to offer: EVVA
 Type: E.A.PZ.RDZ-S.[Outer length]/K[Inner length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 3.0 Mechatronic half-cylinder with one-sided authorisation verification
 From 31/31 mm to a total length of 92 mm, nickel plated European profile, including battery

Product subject to offer: EVVA
 Type: E.A.PZ.HZ-S.[Outer length]/K[Inner length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 3.1 Mechatronic half-cylinder with one-sided authorisation verification
 From 31/31 mm to a total length of 92 mm, round profile 22, nickel plated, including battery

Product subject to offer: EVVA
 Type: E.A.PZ.RHZ-S.[Outer length]/K[Inner length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 4.0 Mechatronic hybrid cylinder with electronic and mechanical authorisation verification
 From 31/36 mm to a total length of 92 mm, nickel plated European profile, including battery

Product subject to offer: EVVA
 Type:E.A/[System].PZ.DZ-S.[Outer length]/[Inner length].[Finish].[Function].[Extended outside turn barrel].[Cam].BZS

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 4.1 Mechatronic hybrid cylinder with electronic and mechanical authorisation verification
 From 31 mm to a total length of 92 mm, round profile, nickel plated, including battery

Product subject to offer: EVVA
 Type:E.A/[System].PZ.RDZ-S.[Outer length]/[Inner length].[Finish].FLU.[Extended outside turn barrel].[Cam].BZS

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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**Item 5.0 Surcharge for special length > 92 to 122 mm
Mechatronic lock cylinder**

... Units Labour.....

Other costs.....

UP TP

**Item 5.1 Surcharge for special length > 122 mm
Mechatronic lock cylinder**

... Units Labour.....

Other costs.....

UP TP

Item 6.0 Surcharge for polished brass finish
Option code: MP

... Units Labour.....

Other costs.....

UP TP

Item 7.0 Surcharge for FAP anti-panic function
FAP for use in panic door locks
Option code: FAP

... Units Labour.....

Other costs.....

UP TP



Specifications

Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 8.0 **FLU surcharge**
 For installation situation regardless of the position
 Option code: FLU

... Units Labour.....

Other costs.....

UP TP

Item 9.0 **FZG surcharge**
 For free-wheel function
 Option code: FZG

... Units Labour.....

Other costs.....

UP TP

Item 10.0SKG* surcharge**
 for mechatronic lock cylinder, SKG*** variant
 Option code: SKG

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 11.0 Special tool surcharge

for the mechatronic lock cylinder
For assembling and disassembling the electronic thumb turn

Product subject to offer: EVVA
Type: E.ZU.PZ.ZW01

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 12.0 Surcharge for extended outside turn barrel

for security escutcheons with plug pulling protection (5, 10, 15 mm)
Option code: AZ

... Units Labour.....

Other costs.....

UP TP

Item 13.0 Surcharge for different cam and cogwheel cam variants

- Specific to lock

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 14.0 Mechatronic cam lock cylinder
 Nickel plated finish, including battery,
 MB19 with 23mm cylinder length ,MB23 und MB27-with 27mm cylinder length

Product subject to offer: EVVA
 Type: E.A.HB.MB[diameter].[cylinder length].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 15.0 Mechatronic padlock
 Nickel plated finish, including battery,
 hardened steel shackle, clear height 30 mm

Product subject to offer: EVVA
 Type: E.A.HA.HM24-S.[S/N clear height in mm].[Finish].[Option]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 16.0 Surcharge for extended stainless-steel shackle
 For 40 mm, 50 mm, 60 mm, 70 mm, 80 mm, 90 mm,
 100 mm, 120 mm, 150 mm, 180 mm, 200 mm, 240 mm

... Units Labour.....

Other costs.....

UP TP

Item 17.0 Shackle protection made of hardened steel with short shackle
 Hardened steel, clear height 17 mm

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 18.0 Wall reader for flush-mounted installation
 In combination with control unit
 For the actuation of electronic locking elements,
 sliding doors, sectional doors and separation systems,
 Colour: black, white or grey,
 suitable for use indoors and outdoors

Product subject to offer: EVVA
 Type: E.A.WL.RU.[Glass colour].[Frame colour]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 18.1 Wall reader for surface-mounted installation
 In combination with control unit
 For the actuation of electronic locking elements,
 sliding doors, sectional doors and separation systems,
 Colour: black, white or grey,
 suitable for use indoors and outdoors

Product subject to offer: EVVA
 Type: E.A.WL.RA.[Glass colour].[Frame colour]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 19.0 Control unit
 Two relays (isolated, as a normally closed or normally open contact)
 for activating a locking device unit

Product subject to offer: EVVA
 Type: E.A.WL.CUS

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 20.0 Mains adapter for control unit
 230 V AC mains adapter to supply the control unit
 with the required 12-24 V DC operating voltage

Product subject to offer: EVVA
 Type: E.ZU.WL.NT

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 21.0 KeyCredits package
 10, 50 or 100 assignments of access authorisations
 Depending on the requirement for first initialisations or changes
 to identification media with any number of access authorisations
 Product subject to offer: EVVA
 Type: E.ZU.LM.KC[10/50/100]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 21.1 KeyCredits package for 12 months
 12 months of unlimited assignment of access authorisations
 Depending on the requirement for first initialisations or changes
 to identification media with any number of access authorisations
 Product subject to offer: EVVA
 Type: E.ZU.LM.KC12M

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 21.2 KeyCredits package for 36 months
 36 months of unlimited assignment of access authorisations
 Depending on the requirement for first initialisations or changes
 to identification media with any number of access authorisations
 Product subject to offer: EVVA
 Type: E.ZU.LM.KC36M

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 22.0 Access card with system-specific design

80 kB, JCOP
 8 kB, DESFire EV1
 Available packaging units: 5/25/100 units

Product subject to offer: EVVA
 Type: E.A.IM.KA.J80K+D08K.EC.M[Packaging unit size]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 22.1 Access card with neutral design

80 kB, JCOP
 8 kB, DESFire EV1
 Available packaging units: 5/25/100 units

Product subject to offer: EVVA
 Type: E.A.IM.KA.J80K+D08K.PC.M[Packaging unit size]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 23.0 Key tags

80 kB, JCOP
 8 kB, DESFire EV1
 Available packaging units: 5/25/100 units
 Available colors: black (SW), white (WS), red (RT), blue (BL), yellow (GE), green (GN)

Product subject to offer: EVVA
 Type: E.A.IM.SH.J80K+D08K.M[Packaging unit size]

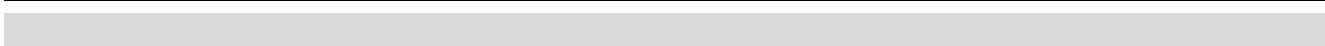
Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications

Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 24.0

Combi keys

80 kB, JCOP
 8 kB, DESFire EV1
 Featuring a mechanical key for one of EVVA's mechanical locking systems, combined identification medium to operate one of EVVA's mechanical and electronic locking systems.

Product subject to offer: EVVA
 Type: M.[Mechanical system].SL.SL-A.SW.J80K+D08K

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 24.1

Combi key with extended key neck

80 kB, JCOP
 8 kB, DESFire EV1
 Featuring a mechanical key for one of EVVA's mechanical locking systems, combined identification medium to operate one of EVVA's mechanical and electronic locking systems.

Product subject to offer: EVVA
 Type: M.[Mechanical system].SL.SL-A.SW.J80K+D08K.LSH

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 25.0 Mini tag
 80 kB, JCOP
 8 kB, DESFire EV1

Product subject to offer: EVVA
 Type: E.A.IM.CSH.J80K+D08K

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 26.0 Wristband
 80 kB, JCOP
 8 kB, DESFire EV1
 Available packaging units: 5/25/100 units

Product subject to offer: EVVA
 Type: E.A.IM.AB.J80K+D08K.M[Packaging unit size]

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP

Item 27.0 API activation fee
 For activation of the REST interface

Product subject to offer: EVVA
 Type: E.ZU.LM.ACI

Product subject to offer:.....

Type:.....

... Units Labour.....

Other costs.....

UP TP



Specifications Project: Sample specifications

Project no.: 00001

No./Type	Text/Quantity/Unit	Unit Price (UP)	Total Price (TP)
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Item 28.0 Project planning and management of an access control system

Service provider submitting the offer: EVVA
Code: D.PRJ.G.TAP

Labour.....

Hours:

UP TP

Item 29.0 Installing and commissioning the door components

Service provider submitting the offer: EVVA
Code: D.TU.G.MON

Labour.....

Hours:

UP TP

Item 30.0 Commissioning and final system approval

Service provider submitting the offer: EVVA
Code: D.TU.G.TAP

Labour.....

Hours:

UP TP

Item 31.0 User training

Service provider submitting the offer: EVVA
Code: D.TU.G.TRA

Labour.....

Hours:

UP TP



14 Summary of all specification items

Total (net offer total): ----- €

20 % VAT: ----- €

Total including VAT (gross offer total): ----- €

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(Town/city and date)

(Provider: signature and stamp)