aperio®

Wireless
lock technology
expanding access
control systems

C100 EURO
Metal double knob cylinder

ASSA ABLOY

CE F
CLASS HID
PROX BY HID
MIFARE™ CLASSIC / PLUS
MIFARE™ CLASSIC / DESFire™

EM410x

Product description
- Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
- Compatible with all DIN mortice locks, suitable for locks on glass door wings and walls
- Main electronics (RFID + radio) in the outside knob - secure electronics inside cylinder core
- Freely rotating lock cam
- Outside knob free wheeling - inside knob always engaged (not for VERSION= E/ED, ED/ED)
- Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
- LED for status visualisation

Accessories/Individual parts
- Programming application tool
- Battery
- Knob sleeve

Suitable ASSA ABLOY products
- AH30 1-to-8 Standard Aperio® RS485 communication hub
- AH20 1-to-1 (Advanced) Wiegand Aperio® (Advanced) Wiegand interface communication hub
- AH40 1-to-16 IP AH40 Aperio® IP communication hub

Scope of delivery
- 1 double knob cylinder with battery (Lithium CR2) and installation instructions
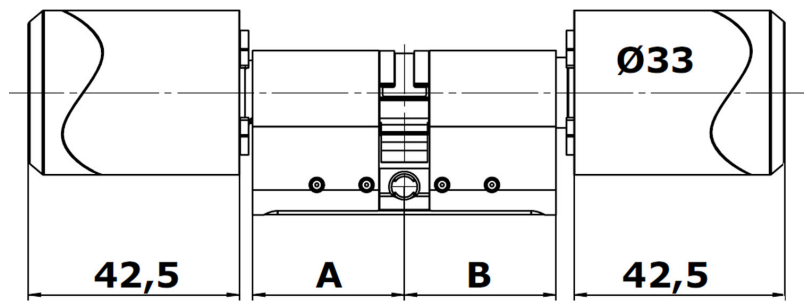- Screws an fixing material (In V3 orders you need to order knob tool separately)

Technical data - Metal double knob cylinder

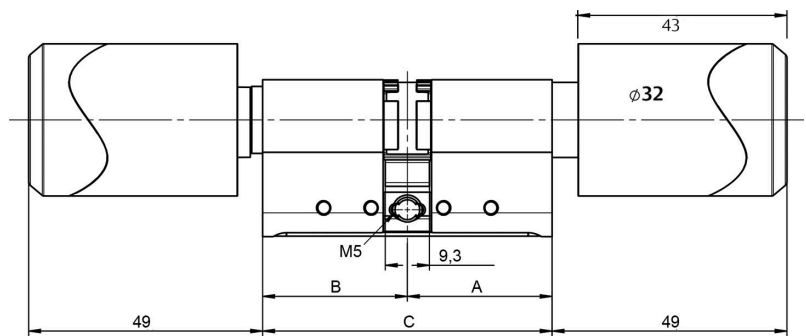|		
	Approvals	CE; fire door up to T90
	Knob versions	Fix or demountable knob versions with or without RFID-Reader
	Knob dimensions	V2: 42,5 x 33 mm / V3: 49 x 32 mm (L x Ø)
	Knob surface	Stainless steel
	Cylinder length (LENGTH=A/LENGTH=B)	Basic length 30/30 mm, extendable in 5 mm increments up to 60 mm
	Fixing screw	60 or 85 mm
	Battery	1 x Lithium CR2
	Battery life	> 40,000 cycles (for max. 3 years)
	Radio standard	IEEE 802.15.4 (2.4 GHz)
	Encryption (radio communication)	AES 128 bits
	Distance between the RFID-Reader and hub	Typical range of 5 m or 25 m depending on the hub type and building environments
	Class of protection	IP 55, IP 65 (V3)
	Operating temperature range	0°C to 50°C, -20° to +55°C (V3)
	Status	LED (red/green/orange)
	RFID Technology	iCLASS®/ISO 14443B; MIFARE™ classic; MIFARE™plus; MIFARE™ DESFire™ EV1; HID PROX/EM410x, LEGIC® Advant (in progress)
	RFID reading	UID / Sektor / Block / Application / File
	Scanning range	< 4 cm
	Interface	Micro USB Firmware download (V3 only)

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V2 version

Ø33

42,5   A   B   42,5

V3 version

43

Ø32

M5   9,3

B   A

49   C   49