L100 EURO
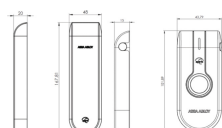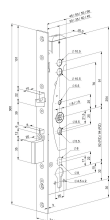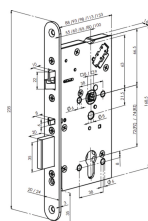
Electronic lock with Standard RFID-Reader Euro Profile - Security lock with integrated door sensors

ASSA ABLOY

aperio Wireless lock technology expanding access control systems

Product description

- Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
- Main electronics inside - Reader element outside including emergency battery connector and indication LED's
- Intelligence split structure enables extreme temperature range (-40°C to +65°C)
- Outside handle controlled by electronics - Inside handle always engaged (request to exit sensor included)
- Integrated sensors for bolt and door position, mechanical key override
- Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
- LED for status visualisation

Scope of delivery

- 1 lock with batteries (Lithium AA FR6) and installation instructions
- Screws, flexible cables, drilling template
- Spindles have to be ordered seperately

Suitable ASSA ABLOY products

- Aperio 1 to 8 communications hub
- AH20 1-to-1
- AH40 1-to-16 IP

Accessories/Individual parts

- Lock spindle 99 02_Spindles_Lock
- Aperio PAP tool and wireless dongle 99 04_PAP tool
- Battery 99 0x_Battery_Lock

Technical data - Electronic lock with Standard RFID-Reader

	Authentication	Three levels of autentification (PIN only, CARD only, PIN & CARD combined)
	Code	PIN code - 4 up to 8 digits
	Approvals	CE, EN14846, EN179 and EN1125 lock
	Dimension	Lock 168,5 x 16,5 x 88/93/98 (H x W x D), Reader inside 167,8 x 48 x 20 / outside 101,8 x 43,7 x 15 (H x W x D)
	Door type	Standard or narrow doors
	Handing	Left / Right
	Backset	Standard doors (55 mm, 60 mm, 65 mm); narrow doors (30 mm, 35 mm)
	Distance	Distance standard doors 72 mm / narrow doors 92 mm, spindle 8/9 mm
	Front plate	24 mm
	Door leaf thickness	Spindle length - Door thickness in ( ): 47/50 (40- 54 mm); 57/50 (47/66 mm); 67/60 (61-80 mm); 74/50 (66-80 mm); 120/120 (88-100 mm); 80/50 (70-87 mm)
	Battery	2 x Lithium AA (FR6)
	Battery life	> 100,000 cycles (for max. 4 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 25 m depending on the hub type and building environments
	Class of protection	IP 44 inside / IP 55 outside
	Operating temperature range	10°C to 65°C inside / -40°C to 65°C outside
	Relative humidity	< 85% (condensation-free)
	Status	LED (red/green/orange)
	Door status	Locking status (unlocked / locked); Door indication (closed / open); Inside handle detection; Key Cylinder use; Tamper (sabotage)

optional: PINpad

CE

iCLASS by HID

MIFARE™ CLASSIC / DESFire™

MIFARE™ CLASSIC / PLUS

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	RFID Technologies (Based on reader type)	iCLASS®/ISO 14443B; MIFARE® classic; MIFARE®plus; MIFARE® DESFire® EV1; LEGIC® Advant (in progress)
	RFID reading	UID / Sektor / Block / Application / File
	RFID Reading range	< 4 cm
	Communication interfaces	Micro USB firmware download and battery back up

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