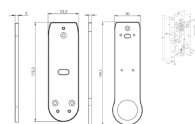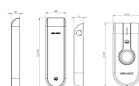# L100 SCAND

Electronic Lock with RFID-Reader Plate
Scandinavian Profile - Security lock with integrated door sensors

ASSA ABLOY
Opening Solutions

aperio

Product description

- Wireless Aperio Escutcheon which can be integrated into any access control system via AADP protocol integration or via Aperio Wiegand Hub.
- 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
- 1 reader element including inside and outside unit
- Screws, flexible cables, drilling template

Suitable ASSA ABLOY products

- RS485 Communication Hub
- Wiegand Interface (Advanced Wiegand) Communication Hub
- Aperio® IP Communication Hub

Accessories/Individual parts

- Aperio PAP tool and wireless dongle (Order number: 99 04_PAP tool)
- Lock spindle (Order number: 99 02_Spindles_Lock)
- Battery (Order number: 99 0x_Battery_Lock)

Technical data - Electronic Lock with RFID-Reader Plate

	Offline and Online operation modes	Aperio® Online; Aperio® Offline; Standard OSS Offline
	Authentication	Three levels of autentification (PIN only, CARD only, PIN & CARD combined)
	Code	PIN code - 4 up to 8 digits
	Approvals	CE, EN179, EN1125, EN1634/1
	Dimension	Lock 150 x 95 x 19,5 (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 doors
	DIN direction	Left / right convertible
	Backset	Standard doors (50 mm)
	Distance	Distance standard doors 105 mm, spindle 8 mm
	Front plate	22 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	Up to 25m depending on the building environment

OSS
STANDARD OFFLINE

MIFARE™
CLASSIC / DESFire™

optional: PINpad CE iCLASS by HID

MIFARE™
CLASSIC / PLUS

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	Class of protection	IP 44 innen / IP 55 außen
	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	Position (open/closed); Bolt position (secured/unsecured)
	RFID Technologies (Based on reader type)	iCLASS®/ISO 14443B; MIFARE® classic; MIFARE®plus; MIFARE® DESFire® EV1
	RFID reading	UID / Sektor / Block / Application / File
	RFID Reading range	< 4 cm
	Communication interfaces	Micro USB firmware download and battery back up