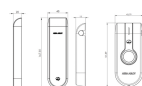


# L100 EURO

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

**ASSA ABLOY**  
Opening Solutions



MIFARE™ CLASSIC / DESFire™

MIFARE™ CLASSIC / PLUS

## 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
- Screws, flexible cables, drilling template
- Spindles have to be ordered separately

## Note

- \* It's recommended to use L100 as an indoor option. However, if the inside temperature is above 0°C, the L100 could be used as an outdoor option as well.
- \*\* It should be observed that harsh environments may affect product operability (excessive humidity, salt, extreme temperatures).





## Suitable ASSA ABLOY products

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

## Accessories/Individual parts

- Lock spindle (Order number: 99 02\_Spindles\_Lock)
- Aperio PAP tool and wireless dongle (Order number: 99 04\_PAP tool)
- Battery (Order number: 99 0x\_Battery\_Lock)

## Technical data - Electronic lock with Standard RFID-Reader

	<b>Authentication</b>	Three levels of authentication (PIN only, CARD only, PIN & CARD combined)
	<b>Code</b>	PIN code - 4 up to 8 digits
	<b>Approvals</b>	CE, EN14846, EN179 and EN1125 lock
	<b>Dimension</b>	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)
	<b>Door type</b>	Standard or narrow doors
	<b>DIN direction</b>	Left / right convertible
	<b>Backset</b>	Standard doors (55 mm, 60 mm, 65 mm); narrow doors (30 mm, 35 mm)
	<b>Distance</b>	Distance standard doors 72 mm / narrow doors 92 mm, spindle 8/9 mm
	<b>Front plate</b>	24 mm
	<b>Door leaf thickness</b>	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)
	<b>Battery</b>	2 x Lithium AA (FR6)
	<b>Battery life</b>	> 100,000 cycles (for max. 4 years)

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	<b>Radio standard</b>	IEEE 802.15.4 (2.4 GHz)
	<b>Encryption (radio communication)</b>	AES 128 bits
	<b>Distance between the RFID-Reader and hub</b>	Up to 25m depending on the building environment
	<b>Class of protection</b>	IP 44 inside* / IP 55 outside**
	<b>Operating temperature range</b>	10°C to 65°C inside / -40°C to 65°C outside
	<b>Relative humidity</b>	< 85% (condensation-free)
	<b>Status</b>	LED (red/green/orange)
	<b>Door status</b>	Locking status (unlocked / locked); Door indication (closed / open); Inside handle detection; Key Cylinder use; Tamper (sabotage)
	<b>RFID Technologies (Based on reader type)</b>	iCLASS®/ISO 14443B; MIFARE® classic; MIFARE®plus; MIFARE® DESFire® EV1
	<b>RFID reading</b>	UID / Sektor / Block / Application / File
	<b>RFID Reading range</b>	< 4 cm
	<b>Communication interfaces</b>	Micro USB firmware download and battery back up
	<b>Offline and Online operation modes</b>	Aperio® Online; Aperio® Offline; Standard OSS Offline