![iLOQ - Making life accessible]

N104.3 RFID reader

System-level description

RFID Reader is a device located in the vicinity of a door. RFID Reader is connected to the Door Module READER RS-485 bus; it has no other connections. RFID Reader is used to control an electric lock by an iLOQ key equipped with an iLOQ RFID tag.

If RFID Reader is equipped with a keypad, it can be used to provide access to the door with a code only.

When installing:

– Reading distance may be shorter if installed on a metal surface or closer than 10 cm from each other

– If installed directly on a metal surface, using an installation plate A10.119 between the door and the reader may improve reading distance

– It is recommended to use a sheet metal plate between the readers if two readers are installed close to each other

– Do not install a reader to the vicinity of strong electromagnetic disturbance sources

– Do not cut the cable shorter than 10 cm

– Extra wires, that are not mentioned in the connection instructions, are left disconnected. However, these wires must not be left in short cut with each other
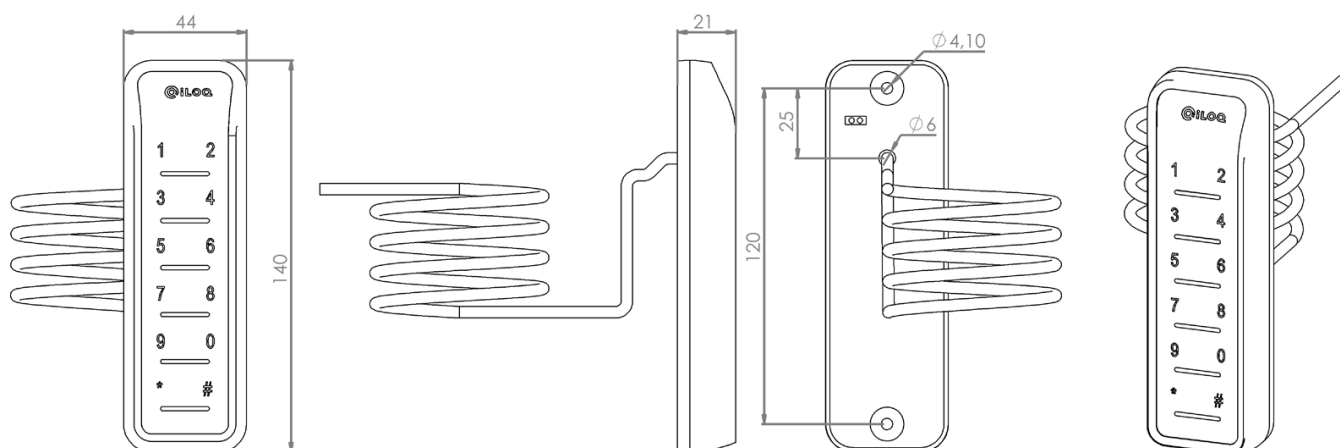
Feature summary

Connections

B	Yellow/Brown
A	White/Yellow
DC -	Black
DC +	Red

Dimensional drawing

Technical data

Bus interface	RS-485
Cables	LIYY 3m
Color	Black
Enclosure material	Plastic
Encryption (from reader to door module)	AES
Encryption (from tag to reader)	With K10S.5 key: None With K10S.6 key: 3DES
Ingress protection rating	IP67
Installation method	Screws
Keypad	Touch buttons
LED	Three-color LED
NFC	✗
Operating frequency	13.5600MEGAHERTZ
Power consumption	1.0000WATT
SRD standard	EN 300 330
Maximum temperature	55°C
Minimum temperature	-40°C
With buzzer	✓

Certificates

Certificates	CE