

Manual

Updated 11/23/2020

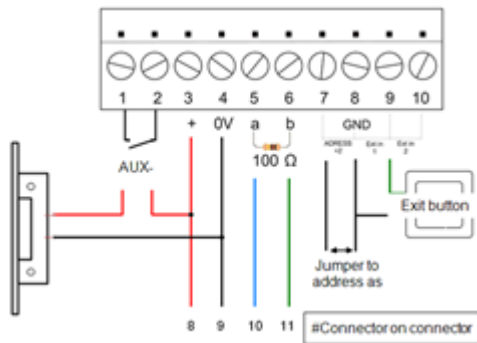
Reader VAKA A66



A66 Reader in VAKA

Screw terminals	3
Cable	4
Termination and addressing	5
Reading	6
Radio	6
Before you contact support	7
Technical data	7

Screw terminals



Connector Function

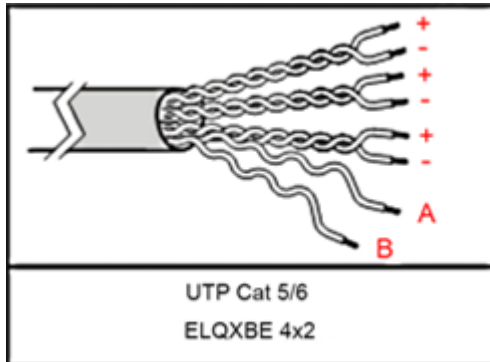
Connector in B17/B27

1-2	AUX-relay (NO)	
3-4	Supply voltage (12-35 VDC)	8-9
5-6	Communication, termination (100Ω)	10-11
7-8	If the reader is used for exit, the connectors are short circuit.	
8-10	Two inputs, connector 8 is common ground.	

- The AUX relay can be configured for one of the following functions, lock, camera (activated in combination with door entry phone), door opener, alarm (door forced or door held open) or gate control. The A66 allows AUX relay control from RN18 radio keys. The settings are done in the VAKA software under *Doors - Terminals - Settings*.
- The inputs (connectors 8-10) can be configured to one of the following functions, exit button, lock contact or door contact.

Cable

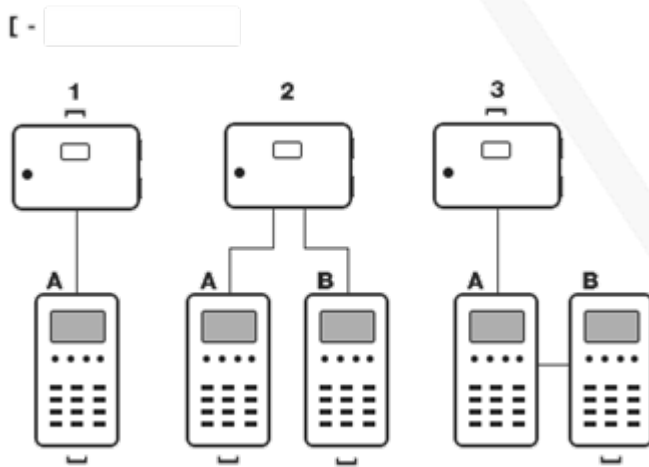
Cable type	Maximum cable length at 24V	Maximum load
1 x 4 x 0,5	150m	200ma
Cat 5/6	200m	200mA



How a UTP Cat 5 should be connected for maximum length.

Maximum cable length between B16/B26 and the reader is 10m. No termination resistor should be used.

Termination and addressing



Unit	A66	B17, B27 and B28	B18
Termination	Install the 100 Ω resistor between 5 and 6.	Mount the termination jumper	Install the 100 Ω resistor between 3 and 4.
Address a B unit (inside reader)	Install a jumper between 7 and 8.		

The unit is named in the VAKA software.

Reading

Present the credential against key 5 on keypad



A successful reading is indicated by a green or red padlock depending on if the credential do have access or not.



If a reading not is indicated, the credential lacks compatibility, or that the MIFARE or EM reading has been disabled. This is set in the in the VAKA software under *Settings, Card/Code, Cards*.

Radio

For best coverage, the reader should be mounted with the front facing the reading area. As the reading is affected by the installation environment, the reading distance can vary between 5 and 50 meters. i.e. wall materials, vehicle bodies and electrical equipment. Before the permanent fixation, it's recommended to test the coverage using a RN-18 radio key. Significant improvements can be achieved by moving and/or turning the reader.

Only RN18 radio keys can be used for "radio reading".

Before you contact support

If time or --:-- is shown, the A66 is in stand alone mode and needs a factory reset.

1. Enter programming mode
The programming mode is entered by pressing the programming button (the rightmost round button) and entering of the programming code. (Default set to 112233).

2. Navigate to *Options* and then *Factory reset*.

Technical data

Attribute	A66 VAKA
Reading distans in optimal conditions	7 cm with EM, 3 cm with MIFARE and 50 m with radio
Power supply	From door controller
Maximum relay load	1A 30VDC
IP-rating	IP55
IP rating	IK06
Temperature range	-30° to +55C°