

Manual

Updated 11/20/2020

Reader VAKA A45

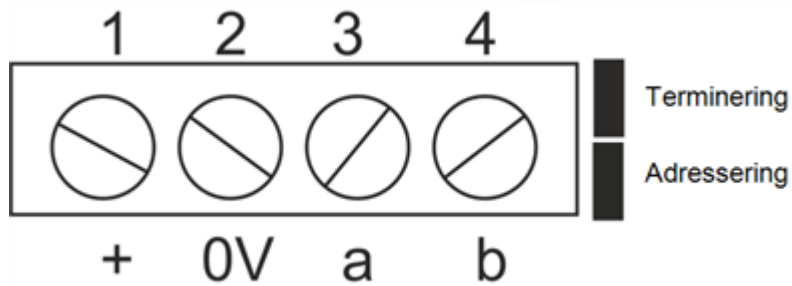
A45 is used as an EM- and MIFARE proximity reader in Axema VAKA



A45 reader for VAKA

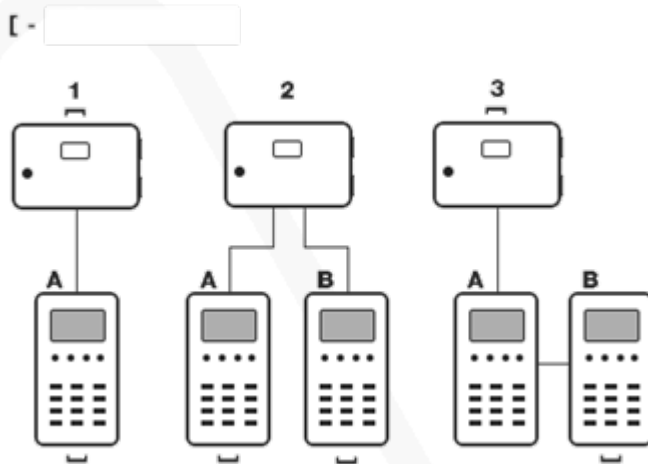
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Screw connectors



Connector	Function	B17/B27/B28	B18
1-2	Power supply (connector 1 is positive (+))	8-9	1-2
3-4	Communication, termination (100Ω)	10-11	3-4

Termination and addressing

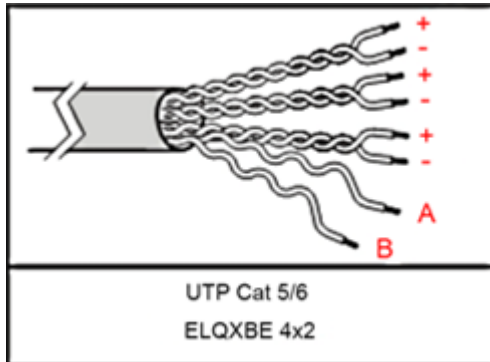


Unit	A45	B17, B27 and B18 B28	
Termination	Mount the termination jumper	Mount the termination jumper	Install the 100 Ω resistor between 3 and 4.
Address a B unit (inside reader)	Remove the addressing jumper		

The unit is named in the VAKA software.

Cable

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



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.

Reading

Present the credential against centre of the reader. A successful reading is indicated by a red or green LED 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*.

Vandal proof cover C811



Mounting

Detach the plastic cover from the A45 and fixate the C811 with the attached screws.

Full stability is obtained after installation when resistance is provided by the A45 for the vandal protection polycarbonate insert. Without resistance, the bonding is not strong enough in itself, but should only facilitate the assembly of the C811.

Please use the screws provided as far as possible as these are customized for the product's various installation options.

Technical data C811

- 2mm stainless steel
- Mounting screws are included
- Dimensions: 150x54x19 (HxWxD)

Technical data

Attribute	A45
Reading distance in optimal conditions	7 cm with EM, 3 cm with MIFARE
Power supply	From door controller
IP-rating	IP44

Attribute**A45**

IP rating

IK06 (IK08 with C811)

Temperature range

-30° to +55C°