

Datasheet

ekey converter UDP

ID:48/83/0/50 Version 1 dated 30.3.2012

Product description

The *ekey converter UDP* (*ekey CV UDP*) is an accessory for the *ekey home* and *ekey multi* product groups. The *ekey converter UDP* makes it possible to send data to a set data receiver via Ethernet in the UDP protocol each time an authorized access or access denial are detected by the *ekey home finger scanner*. The *ekey converter UDP* is meant to be mounted on a 35mm DIN rail. A parameterizing CD with a PC software for MS Windows operating systems for the *ekey converter UDP* is part of the delivery scope.

Features

- To be used in *ekey home* or *ekey multi* systems
- Sending access information to a given IP address
- Sending information about rejected fingers to a given IP address
- Data transfer via UDP protocol with IPv4 addressing
- LAN 10-BaseT or 100Base-TX (auto-sensing)
- PC software for Windows operating systems for set-up



Item number

Description	Item #
ekey converter UDP	100 460

Standards

The *ekey converter UDP* is compliant with the 2004/108/EG (CE) and 2002/95/EC (RoHS) guidelines.



Controls and visual indications



LINK LED

Color	Signification
Off	No connection
Amber	10Mbps
Green	100Mbps

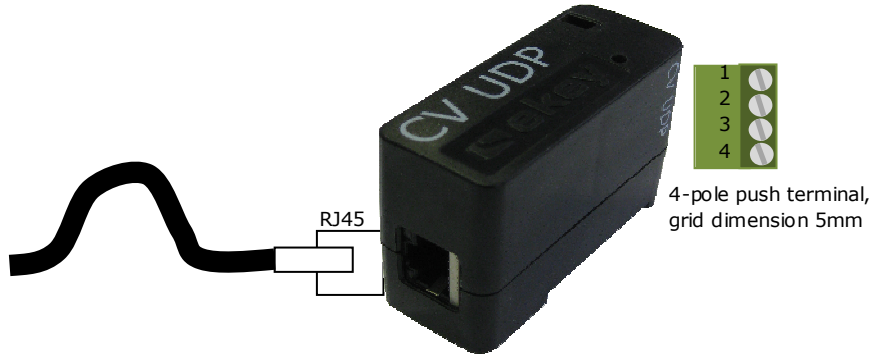
ACTIVITY LED

Color	Signification
Off	No activity
Amber	Half Duplex
Green	Full Duplex

Pin assignment

Electric connection

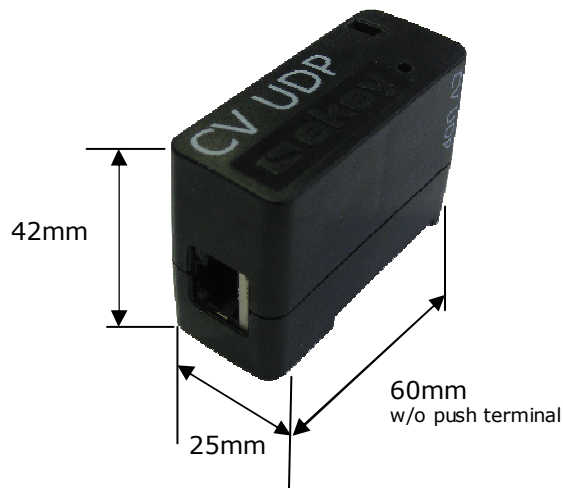
- Ethernet: RJ45
- RS485 + VCC via 4- pole push terminal , grid dimension 5mm



Clamp #	Signal description	Recommended cable color (ekey standards)
1	RS485 (Clamp 1)	Green
2	RS485 (Clamp 2)	Yellow
3	Supply (Clamp 3)	Brown
4	Supply (Clamp 4)	White

Dimensions

Dimensions in mm; tolerance $\pm 0,5\text{mm}$





Cable recommendation

Please use the following cables:

RS485 bus and power supply

J-Y(ST)Y 4 x 2 x 0,8

Cable assignment 4 x 2-core

-  1 pair of wires for the RS485 bus (green/white) + 1 spare pair (yellow/white) in the case of a star-shaped wiring = by laying the cables bi-directionally, it is possible to set up a linear wiring.
-  1 pair of wires (red/blue) for the power supply + 1 spare pair (brown/white) to increase cable cross section for cable length > 50 m.

Ethernet

CAT5 or higher

Technical data

Absolute maximum threshold value

Operating the device beyond these values will destroy it!

Technical data		Unit	Values
Supply	AC	V	0-18
	DC	V	±24V
Temperature range	Storage	°C	0 up to +75
	Operation	°C	0 up to +70

Electric characteristics

Technical data		Unit	Values
Supply	AC	V	8-18V
	DC	V	8-24
Power input		W	1
Temperature range	Storage	°C	0 up to +75
	Operation	°C	0 up to +70
Protection class			IP20
Max. cable length RS485 bus (CLAMP 1,2)		m	500
Max. length of the power supply cable (CLAMP 1,2 3,4) when operated in an industrial area		m	30
Dimensions LxWxD		mm	60 x 25 x 42

Accessories

There are no accessories for this product.

Compatible systems

ekey converter UDP can be used in the following systems:

Item description
ekey home
ekey multi

Subject to optical and technical modifications, any liability for misprints excluded.