OPERATING INSTRUCTIONS

SIEGENIA®
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KFV

Electromechanical systems

KFV Frame-integrated power supply

Window systems systems
Door systems
Comfort systems

DEUTSCH | ENGLISH | FRANÇAIS | ITALIANO | NEDERLANDS | ČESKÝ | POLSKI

This product is exclusively intended for use in connection with KFV multi-point locks:

GENIUS type A
GENIUS type B
A-opener

Contents

Intended use

- The KFV frame power supply is a special power supply and may only be used in connection with electromechanically operated KFV multi-point locks and original KFV accessory parts.

- The KFV frame power supply is suitable for installation in timber, aluminium, steel and PVC front doors for residential and public buildings.

- All assembly and electrical installation work must be carried out according to our assembly instructions. Wiring the unit incorrectly can irreparably damage its electronic components.

- The KFV frame power supply is equipped with an input that can be connected to an external access control system (e.g. wireless, transponder or fingerprint scanner system) via a potential-free contact - switching time: min. 1 second.

- Use the KFV frame power supply only when it is in a technically sound condition. Do not modify the unit's components in any way.

Improper use

- The KFV frame power supply must not be installed in moisture-prone areas or areas with a corrosive atmosphere (e.g. electroplating shops).

Maintenance

The surfaces of the hardware are not maintenance-free and should be cleaned on a regular basis according to the version. For metallic surfaces (stainless steel, steel zinc-plated, etc.), use only mild, pH-neutral cleaning agents that have been diluted. Never use aggressive, acidic cleaning or abrasive agents, since these damage the corrosion protection of the door-furniture. Wipe the surfaces with a moist cloth (not wet).

Safety notices

- Work on a 230-V AC mains power supply may only be performed by a qualified electrician.
- All work on the 230 V AC mains power supply must be carried out in compliance with the current German VDE regulations (e.g. VDE 0100) and any relevant country-specific requirements.
- All-pole safety isolation should be used when fitting the network connection cable on-site.
- Some external access control systems available on the market transmit a brief "open" signal when the operating voltage is switched on. This can mean that the KFV frame power supply will open the door following a power cut. If in doubt, please contact the system manufacturer.
- Any modifications to the KFV frame power supply are prohibited. improper modifications could result in electric shock.

Risk of fatal injury from electric shock!

If improper modifications are undertaken on the KFV power supply, 230 V alternating voltage could be applied to the steel shield. This could result in electric shock, leading to severe injury or even death. Do not undertake any modifications on the KFV power supply and have the installation carried out by a specialist only.

Frame-integrated power supply

The power supply is designed to be installed in the door frame (milling required), suitable for GENIUS or A-opener and KFV access control systems.

Product specifications	
Casing dimensions (H x W x T)	245 mm x 20 mm x 35 mm
Faceplate surface	Brushed matt stainless steel
Shield length	320 mm and 375 mm in the version with cable transfer.
Input voltage:	115 to 230 V AC; 50/60 Hz
Output voltage:	24 V DC / max. 0.9 A
A 12 V AC/DC switching signal (from the electric door opener or E-opener) can be used as an opening signal for GENIUS	
Versions	
Flat faceplate 20 x 3 mm, rounded	
Flat faceplate 20 x 3 mm, edged	
Flat faceplate 24 x 3 mm, rounded	
Flat faceplate 24 x 3 mm, edged	
U-profile faceplate 6 x 24 x 6 mm	
U-profile faceplate 8 x 28 x 8 mm	
U-profile faceplate 10 x 30 x 10 mm	
Special versions for concealed cable transfer	
Flat faceplate 20 x 3 mm, rounded	
Flat faceplate 24 x 3 mm, rounded	

LEDs

Display		
Green	24 V DC available	Power on
Red	12 V AC/DC or 24 V DC available at terminal 4	External unlocking active
Yellow	Signal available at terminal 7	Door lock status indicator on

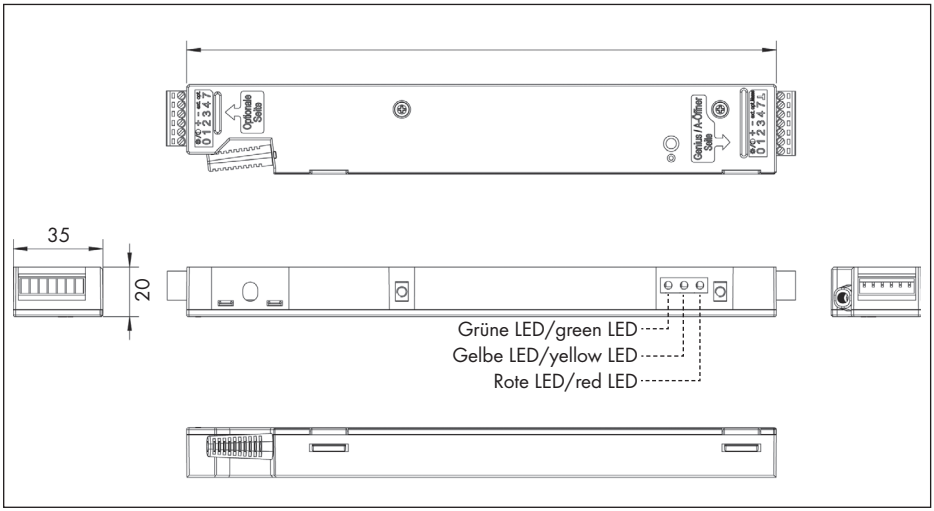
Note: If energy-carrying cables are routed in parallel to data cables (ISDN, DSL, etc.), this could lead to interference e.g. in the speed of the data transmission.

Technical specifications

Technical specifications	
Cable	LiYY 3 x 0.75 mm^2
Line length	2500 mm
Protection class according to EN 60950-1	I
Casing dimensions (H x W x D)	245 mm x 20 mm x 35 mm
Input voltage	115 to 230 V AC; 50/60 Hz
Output voltage	24 V DC / max. 0.9 A
Continuous current	max. 0.5 A
Temperature	- 10°C to + 45° C
Storage temperature	- 10°C to + 80° C
Installation location	External and internal doors
IP protection class	IP 42

Potential malfunctions

Display	Possible cause	Action
Green LED does not light up	No mains voltage	Check the supply voltage 115 - 230 V AC; 50/60 Hz
Red LED permanently illuminated	The permanently open signal is located on terminal 4	Check external access control/ Check supply line for short circuit
Yellow LED permanently illuminated	Terminal 7 is permanently switched	Check the output on terminal 7 with regard to the default setting on the GENIUS



Declaration of conformity

CE

Declaration of conformity

Product model:	FZ-NT-RA*115-230*
Manufacturer:	KFV Karl Fliether GmbH und Co. KG Siemensstr. 10 D - 42551 Velbert
Responsibility:	The manufacturer bears the sole responsibility for the issue of this declaration of conformity
Subject of the declaration:	Frame power supply for electronic door locks
The object described above fulfils the relevant harmonisation directives of the Union.	The requirements of the Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EC are fulfilled with the enclosed description. We hereby confirm that our products, independent of the production side, are manufactured in compliance with RoHS and fulfil the requirements of the EU Directive 2011/65/EU (new version of the Directive 2002/95/EU).

The device is compliant with the:

a) Low voltage directive	
EN 60950-1	08/2014
EN 60335-1	11/2010
EN 61558-1	07/2006

b) EMV Directive	
EN 55022	12/2011
EN 55024	09/2011
EN 55014-1	02/2010

ppa. G. Wanders

Siegen, 2016-06-xx

Head of Division
Product Development & Works

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