

Active 24-Volt support power supply



24 Volt Emergency Power Supply

NEV

24 Volt Emergency Power Supply NEV

The NEV is used to supply the 24 V DC circuit with mains independent electrical voltage. For this purpose, the NEV makes use of the energy of a supply unit, namely the dynamic energy supply DEV, the dynamic storage combination DEK or the active energy management device PxrFX.

Under severe voltage fluctuations or when power fails, the NEV provides energy to its secured 24 volt circuit. The time depends primarily on the load and the available energy from the supply unit. The settings of the supply unit also have an impact on the duration of the supply of electrical energy.

However, the NEV is not designed for continuous operation. The power supply that provides the continuous supply is normally connected as a power source to the NEV. The consumers on the circuit to be secured are connected to the NEV. This is automatically used to teach The NEV about the externally connected voltage and thus to support the voltage level.

Active 24-Volt support power supply

- > space-saving
- > without further manual configuration
- > no keys
- > provides support when power failures or -interruptions occur

Environmental conditions

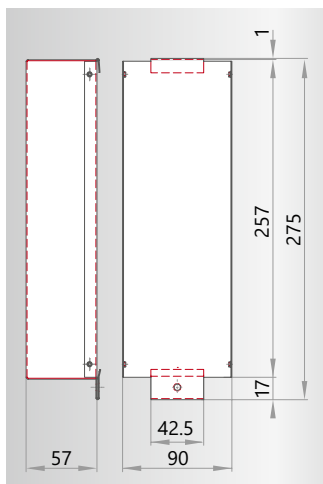
Parameter	Wert
Environmental temperature	-10° C to +85° C (transport, storage) 0° C to +40° C (operation)
Relative humidity	<95% (transport, storage) <85% (operation)
Cooling type	Air cooled (convection)
Protection level	housing IP20
Degree of pollution	2
installation location	

Technische Daten NEV

Parameter	Wert
Input voltage (terminal X2)	22 VDC...26 VDC
Rated current	6A (up to 150VA) for failure operation 5A (up to 120VA) for mains operation
Standby power dissipation	< 1 W
Overvoltage category	III (altitude up to 2000 m above sea level) II (altitude about 2000 m above sea level)
Immunity to interference	Industries in accordance with EN 6100-6-2-205 and EN 6100-6-4-2007
Dimensions H x W x D	275 x 90 x 60 mm
Weight	appr. 1.0 kg

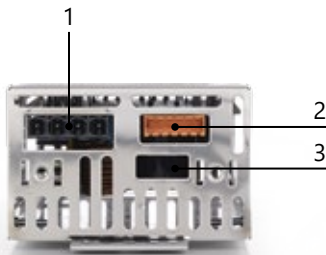


Installation dimensions and holes (mm)



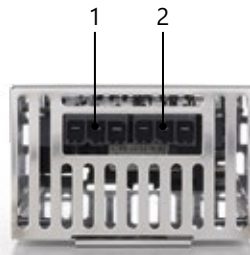
Simple to install on the supply unit shown using the example of series DEx and KEx.





Simple connections I (bottom)

1. Connection of external power supply and the 24-volt circuit (X2) that must be secured
2. Signal terminals (X3)
3. Interface RS 422 (optional)



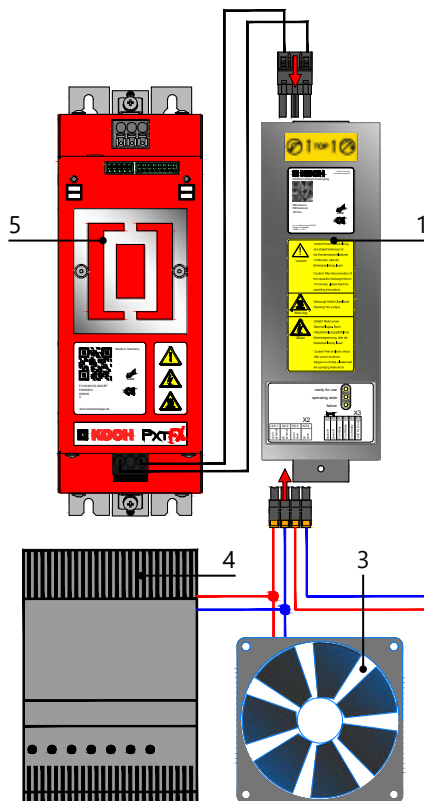
Simple connections II (top)

1. Reverse polarity secured interface to connect the power supply unit (X1)
2. Reverse polarity secured interface to connect another NEV (X1)



Labelling (front)

1. Installation position
2. Type label
3. Hazard notice
4. Pin assignment/device status



Wiring diagram using the example of PxtFX

1. NEV
2. Consumer, secured 22...26 VDC, max. 6 A (150 VA)
3. Consumer, unsecured
4. 24 V mains power supply
5. Power supply unit



Connect two or more NEV to a PxtFX, an PxtEX or a combination thereof

Several NEV units may also be connected to one unit or the combination by using an extension. For this purpose, each additional NEV is connected by means of connector X1 of the NEV using the connection cable.

No further EM may be connected to plug XI of the NEV.

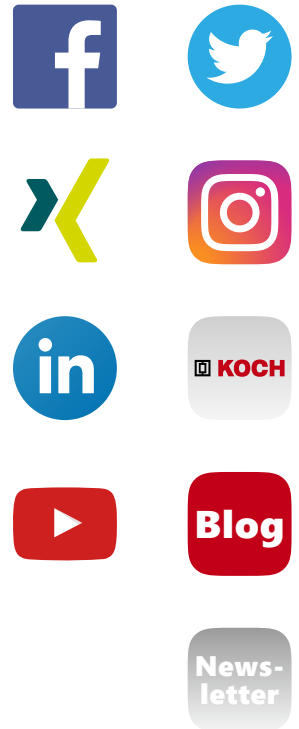
Important to note! The NEV-outputs must not be connected in parallel!

Ensure that no device is loaded with more than 6A/150VA.

What we offer:

- Tested product quality
- Certified processes
- Individual application support
- Machine specific design and sizing
- Rapid reaction
- Quick delivery times
- On-time delivery
- Reliable partner
- Long-term business relationship
- Direct customer relations

Use our communication channels:



Your specialist for:

- Active energy management devices and systems
- Safe brake resistors

We look forward to hearing from you!



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