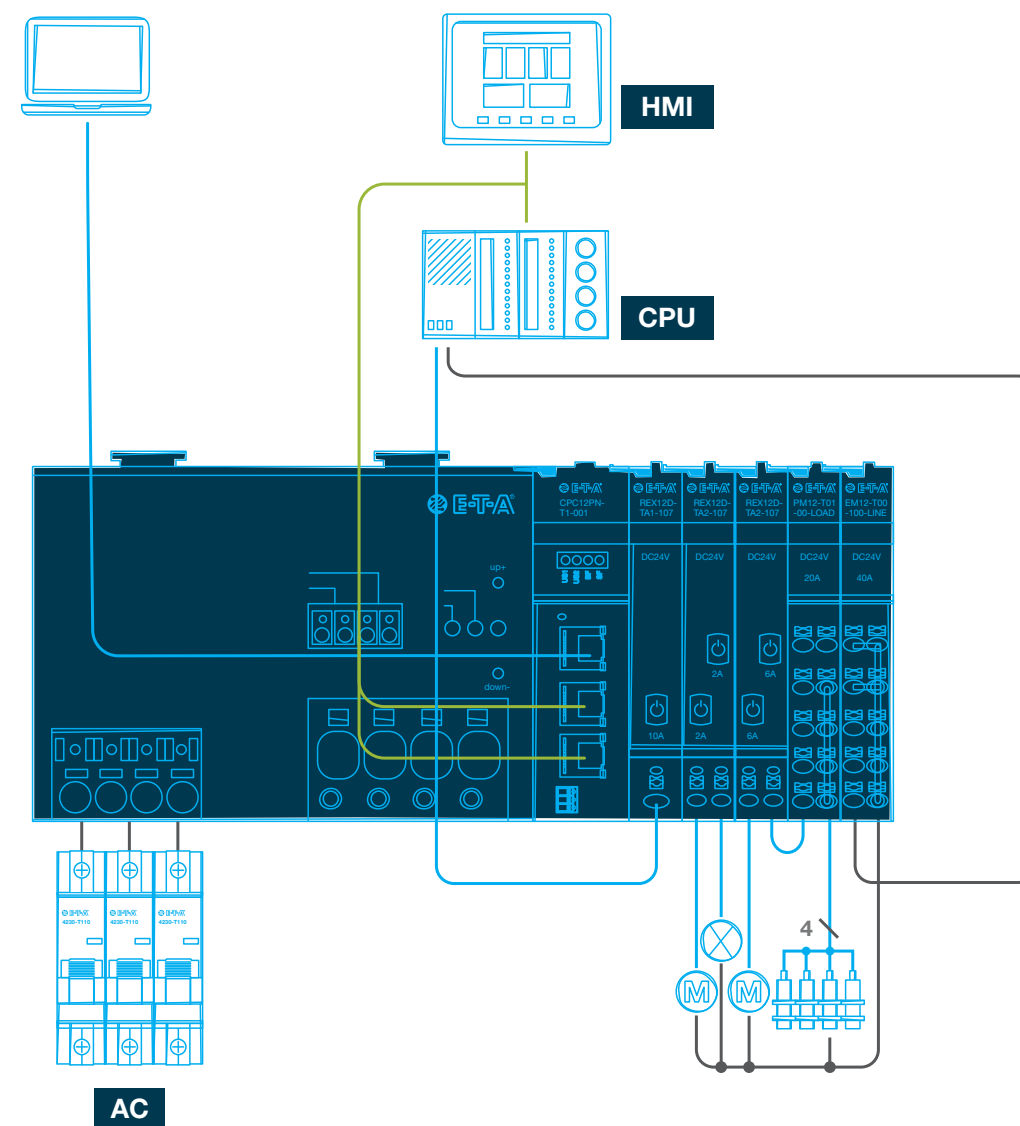


TRANSPARENCY WITH **ControlPlex® - Power4® REX** PFR12D switch mode power supply

All switch mode power supplies can be operated both in the BASE and in the COM REX systems. The **Power4®** REX supply recognises the respective operation mode automatically.

In the BASE REX system, two auxiliary contacts for DC ok and Protector ok are available integrated in the switch mode power supply. In the COM REX system, a multitude of diagnosis, status and parameter data provides additional

transparency. The data are transmitted to the superordinate control unit via **ControlPlex®** Controller. This is enabled by various Ethernet-based field bus systems. The web server works as maintenance interface or enables implementation of raw data in the JSON format.



B_PFR12D_REX-System_e_111121



COMING
SOON!

PFR12D – Power4® REX
DC 24 V switch mode power supply
in the REX system

E-T-A Elektrotechnische Apparate GmbH
Industriestraße 2-8
90518 Altdorf
Tel. +49 9187 10-0
Fax +49 9187 10-397
E-Mail: info@e-t-a.de

www.e-t-a.de

E-T-A®
ENGINEERING TECHNOLOGY

EASY, COMPACT AND TRANSPARENT

PFR12D - *Power4*® REX

COMING
SOON!

EASY, EASY!

Connection in the REX system

As usual, for simple electrical and mechanical connection in the REX system, the power supply modules do not require further accessories, such as jumpers or busbars. This helps save components, time and money!

PFR-Power for REX
DC 24 V switch mode
power supplies
960 W/40 A, 480 W/20 A

- Power4*® – Fit for Industrie 4.0
- DIN rail – IP20
 - 3-phase AC
 - DC input
 - Wide range input
 - 150 % Power boost
 - 400 %/600 % Current peak
 - Active PFC



DIAGNOSIS AND PARAMETER DATA

PARAMETERS

- Name of manufacturer
- Product name
- Serial number
- Hard- and firmware status
- Current measurement (input / output / cyclic)
- Voltage measurement (input / output / cyclic)
- Phase monitoring
- Temperature measurement

- Lifetime
- Power measurement
- Load in %

CONTROL UNIT

- Adjustment of output voltage

STATUS

- DC warning / DC ok (cyclic)
- Overload (cyclic)
- Switch mode power supply error
- Maintenance

TECHNICAL DATA

OUTPUT			
Output voltage range	24 ... 28.8 V	Output current (5 s)	30 A, 60 A
Current ratings	20 A, 40 A	Current peak (12 ms)	120 A, 160 A
The output characteristic is specifically adapted to the REX12 and REX22 circuit protectors.			
INPUT			
AC input voltage	380 ... 480 V AC	DC input voltage	650 V DC
AC input voltage	320 ... 575 V AC	DC input voltage range	450 ... 820 V DC (875 V for 1 minute)
GENERAL DATA			
Efficiency	> 95 %	Ambient temperature	-30 °C ... 70 °C
Lifetime @ 40 °C	138.5 kh	Dimensions (WxHxD)	136 x 80 x 130
MTBF	> 800 kh	Approvals (in process)	UL

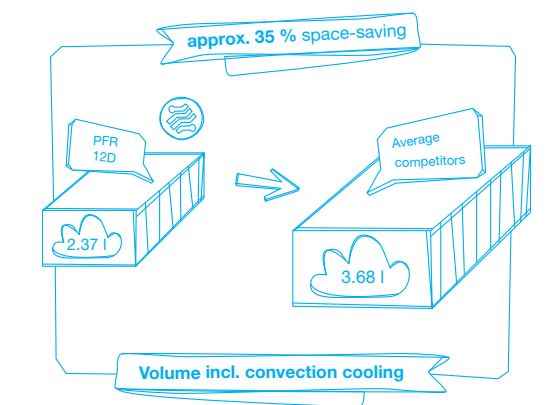
Your benefits

- Up to 35 % less volume and 60 % less space required through compact design and small convection distances
- Facilitated construction through consistent design and few components
- Time-saving during installation through simple mounting and push-in connection technology
- Increased machine uptime through solid design and high transparency

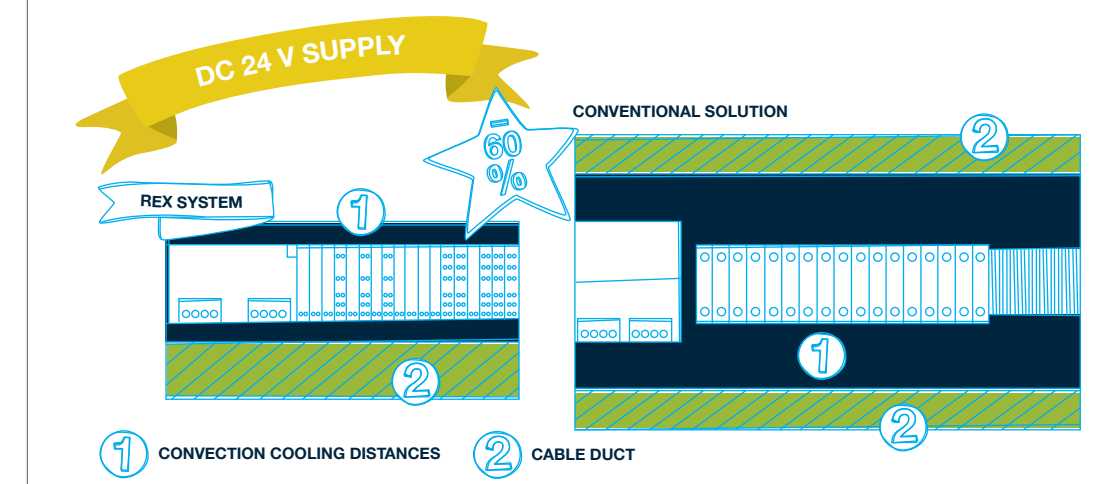
SPACE AND VOLUME WORLD CHAMPION!

The compact *Power4*® REX switch mode power supply for DC 24 V

- The PFR12D power switch mode supply is the heart of the REX system and supplies the REX12(D) and REX22D circuit protectors with a continuous output power of 960 or 480 Watt. Compared to the competition, these modules save up to 35 % volume*.



*Average value – 4 strongest competitors – 960 W/40 A



35 % less volume and 60 % less space required

- The complete REX system even reduces the space requirement in the control cabinet by 60 %*.

*Design switch mode power supply 960 W/ 40 A, 18 channels overcurrent protection, distribution 76 terminals, convection distances and cable ducts

