Technical Data

Dimensions	width 19", height 2U, installation depth 205 / 250 / 295 mm
Load circuits	redundant 2 x 15 single pole (group A and B) non-redundant 1 x 30 single pole
Line entry	ring cable lugs for Basic Version screw terminals for Basic Plus Version
Supply current	max. 100 A per group
Load terminals	screw terminals 2.5 mm² / 4 mm²
Load current	max. 16 A per way (depending on the breaker rating)
Signalling	parallel connection of break contacts per group and/or series connection of make contacts per group
Rated voltage	DC 24 V (max. 65 V) AC 50 V (max. AC 250 V)
Circuit breaker types	2210-S / 3600 / 3900 (thermal-magnetic) ESS20 / ESX10 (electronic, only DC 24 V)

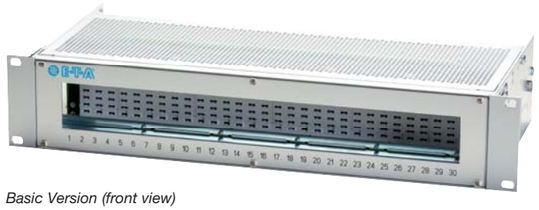
Benefits

Basic Version

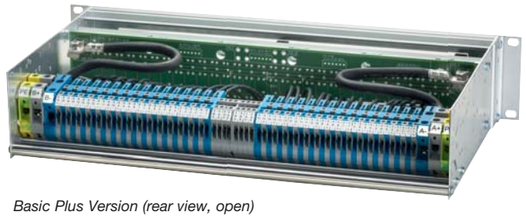
- Compact power distribution system 2U made of aluminium
- Printed circuit board design, no conventional wiring
- High power density up to 2 x 100 A
- Plug-in type circuit breakers to be plugged in later
- Clearly marked front plate
- Cable grip rail on the rear
- Economy version
- Free space for customised adjustments

Basic Plus Version

- Wiring of return conductors included
- All terminals easily accessible on one level
- Availability of standard connection technologies: screw-type, spring-loaded, push-in
- Room for individual solutions to create an »allround carefree package«
- Redundant supply via de-coupling diodes
- Version on mounting plate for control cabinet installation



Basic Version (front view)



Basic Plus Version (rear view, open)

F_PDB_Baukastensystem_e_120315A

Modifications, errors and misprints excepted. Photos: E-T-A, Cover: MAK/Fotolia.com

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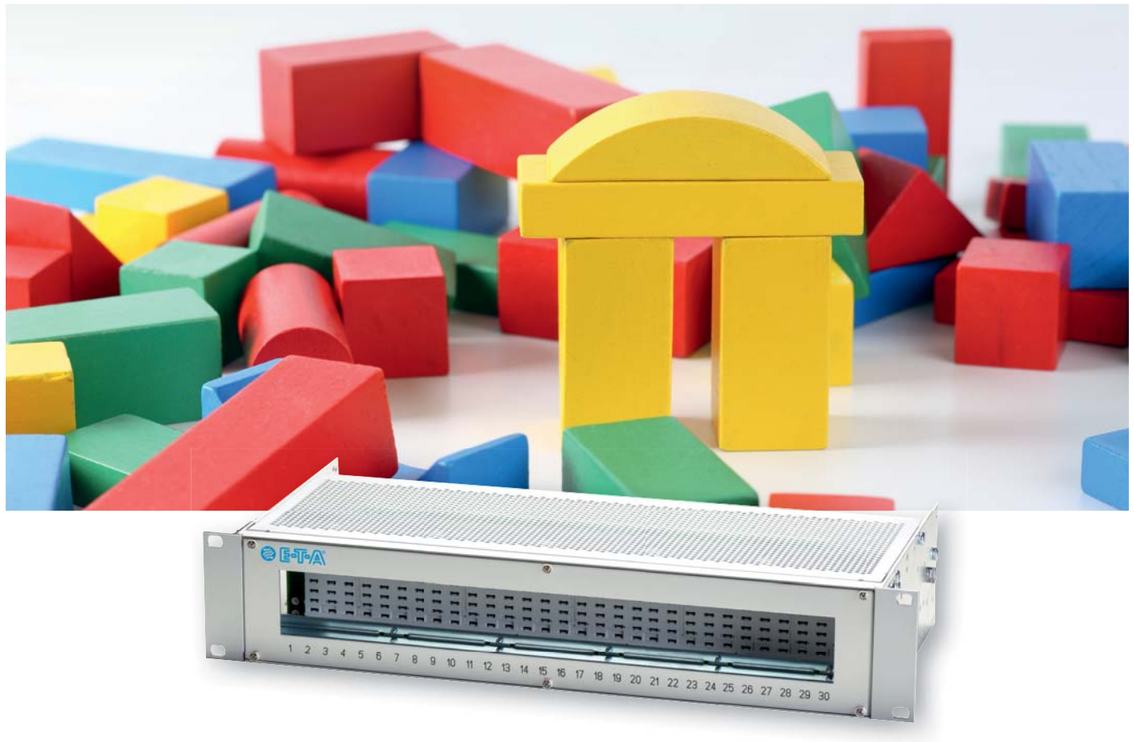
The flexible *Power-D-Box*®

A modular construction system for your power distribution



Power Distribution Systems -
tailored to suit your requirements

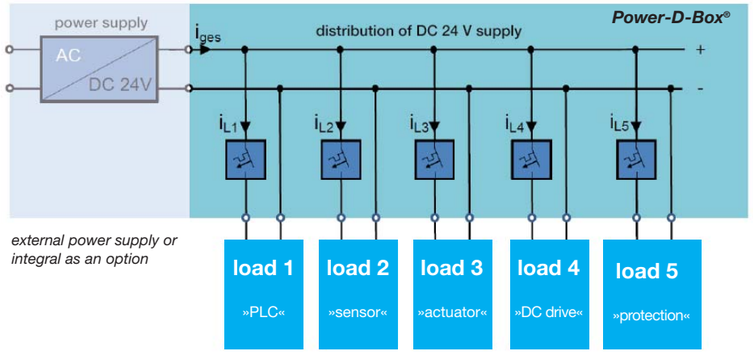
The flexible **power distribution system** serves for connecting and protecting up to 30 load circuits at one power supply. By means of two versions - Basic and Basic Plus - the user is able to meet his requirements ranging from a basic configuration to an **»allround-carefree-package«**.

An integral printed circuit board allows redundancy and provides distribution of the supply lines to the individual load channels. It also enables group signalling and features screw-type terminals. The integral sockets subsequently accommodate various types of circuit breakers. The portfolio ranges from thermal-magnetic to electronic circuit breakers.

The **»Basic«** version minimises the distribution configuration on the pcb. The pcb is fitted into a 19" frame. The **»Basic Plus«** version offers even more connection convenience. It features additional terminals on the rear, providing ease of access, including wiring of return conductors.

You can choose between screw terminals, spring-loaded terminals or push-in technology. A marked aluminium front plate, a perforated cover sheet and a cable grip rail on the rear a part of the standard accessories.

Customer-specific versions make the system suitable for **use in nearly all applications**. Additional features include: integral de-coupling diodes for a redundant entry line, screw terminals accessible from the front, voltage monitoring with relay output, integral power supplies or even different housing designs.



external power supply or integral as an option

power distribution - schematic diagram

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19" frame 2U with cable grip rail

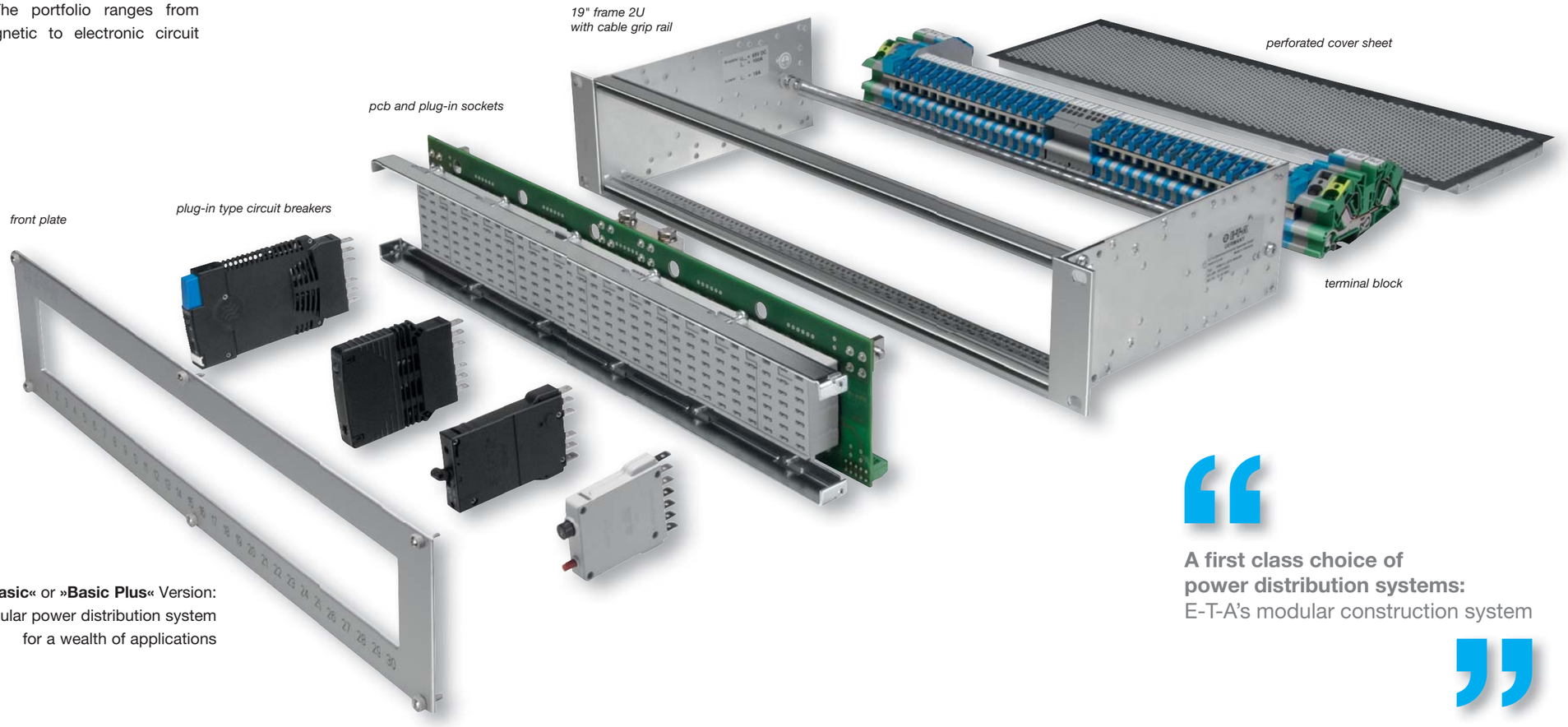
perforated cover sheet

pcb and plug-in sockets

front plate

plug-in type circuit breakers

terminal block



Whether **»Basic«** or **»Basic Plus«** Version:
a modular power distribution system
for a wealth of applications

A first class choice of power distribution systems:
E-T-A's modular construction system

For more information on the flexible ***Power-D-Box®*** please visit:

www.e-t-a.de

Modular Construction System