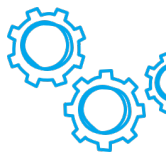




Compact *Power-D-Box*®

The Compact *Power-D-Box*® is highly attractive due to its installation height of only one rack unit (44.45 mm). This saves valuable height units in the IT rack, which can be used for active technology instead. The different models can be equipped with pluggable, hydraulic-magnetic 8340-F circuit breakers. This helps achieve maximum power distribution with minimum space requirements. Besides various preferred types, we can offer individual solutions, perfectly tailored to your application.



TYPICAL FEATURES

- 19" power distribution system, made of aluminium
- Rated voltage DC 48 V, 65 V
- Minus-pole protected
- Total current up to 150 A
- Load up to 30 A per circuit breaker
- Live pluggable, temperature independent circuit breakers

YOUR BENEFITS

- Minimum space requirement in the IT rack through 1HU housing
- Easy mounting in 19" and ETSI system cabinets by means of reversible flanges
- Easy system expansion without system downtime, thanks to pluggable circuit protectors

PREFERRED TYPES

Preferred types are E-T-A products, which are most frequently used by our customers. We manufacture these preferred types in substantial quantities. [You can find an overview of our preferred types here \(Page 2\).](#)

TYPICAL APPLICATIONS

Telecommunications and datacom, network infrastructures

COMPLIANCE

REACH ✓ **RoHS** ✓ **CE**

WEB LINKS

[Further information](#), [Installation instruction](#), [REACH](#), [RoHS](#), [Contact](#)

GENERAL INFORMATION

FURTHER INFORMATION



Installation instruction **Power-D-Box**® PDB-1-N-8340-8E-B0-RR
<https://www.e-t-a.de/x21280195.pdf>

TECHNICAL DATA

ELECTRICAL DATA

Rated voltage U_n	DC 48 V; DC 65 V
Protected pole	1-pole minus
Circuit breakers / circuit protectors	8335 or 8340-F plug-in type circuit breakers 8335-F410-P1M1-K800000-xxA 8340-F410-P1M1-KNH0-xxA
Number of loads	1 x 8
Redundancy	Non-redundant system

MECHANICAL DATA

Mounting dimensions (WxHxD)	Width: 482.6 mm (19" mounting) x Height: 44.45 mm (1 HU) Installation depth: 230 mm
Mass	Approx. 2 kg
Material	Aluminium
Enclosure grounding	1 x M6 for supply 8 x M5 for load outputs
Cable strain relief	Integrated

SUPPLY

Total current per supply	Max. 150 A per supply
Terminals / Cable cross section	Terminals at the back: Screw terminals 16...50 mm ² flexible without wire end ferrule 10...50 mm ² flexible with wire end ferrule

LOADS

Rated current per load channel	Max. 30 A
Terminals / Cable cross section	Terminals at the back: Plug-in type screw terminals 0.25...4 mm ² flexible, with wire end ferrule and plastic sleeve 0.25...6 mm ² flexible, with wire end ferrule, without plastic sleeve or rigid cables

AMBIENT CONDITIONS

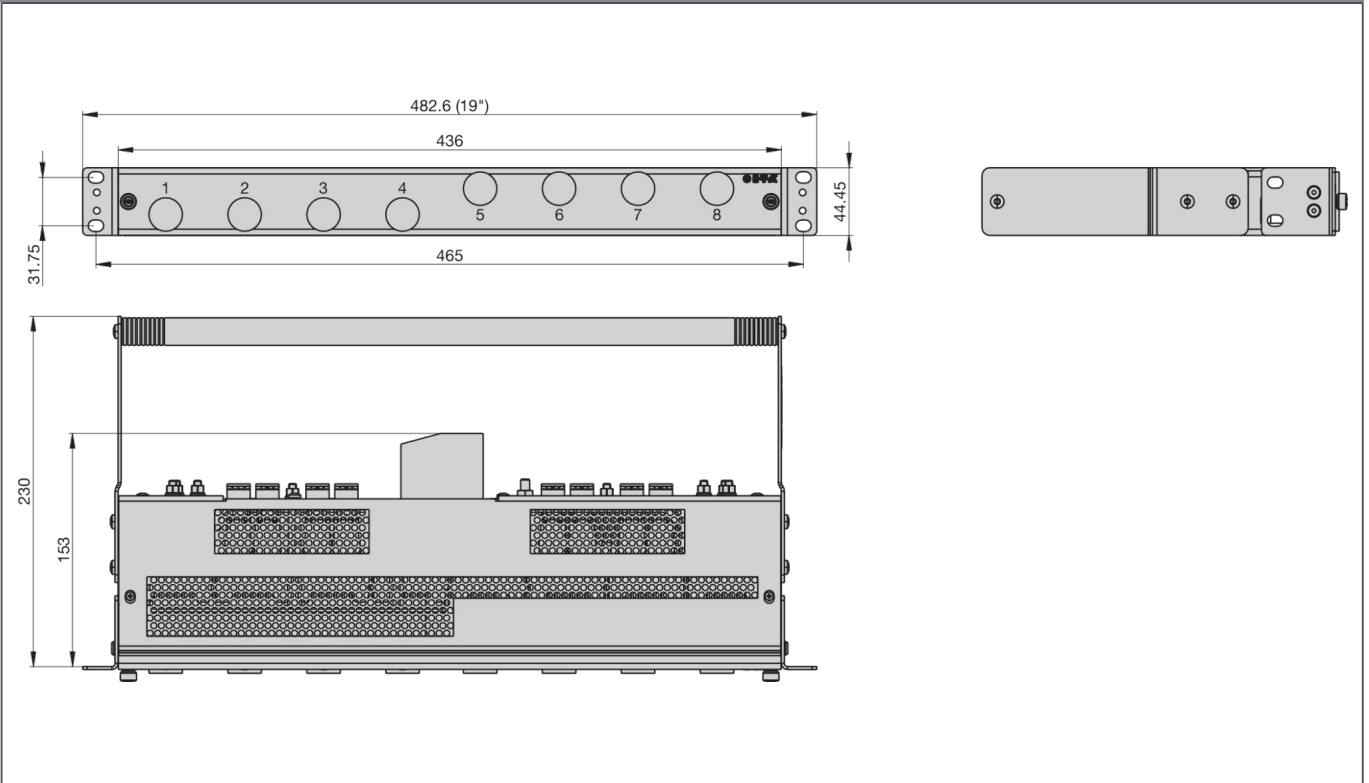
Ambient temperature	-30...+55 °C
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PREFERRED TYPES

Preferred types	Short description
PDB-1-N-8340-8E-B0-RR	Load current max. 30 A, non-redundant supply, 1 x 8 circuit breakers

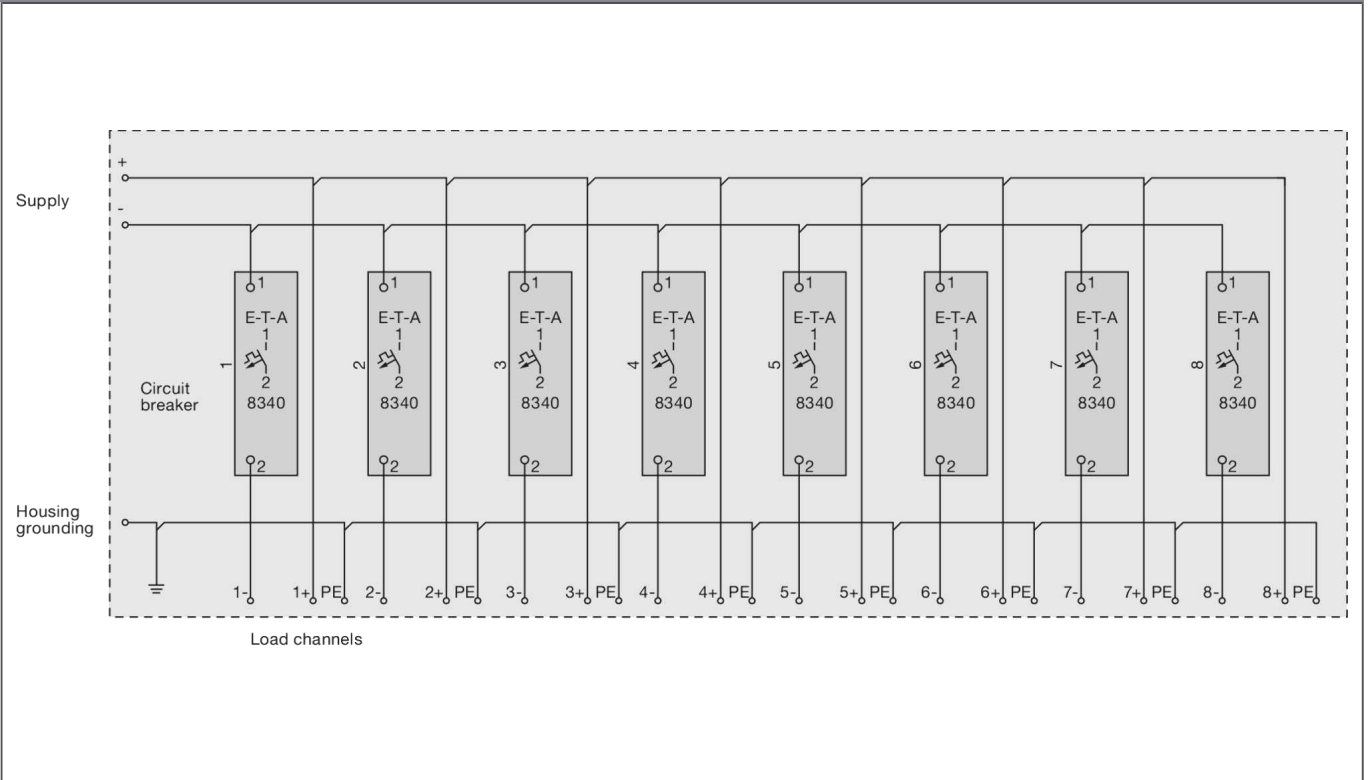
DIMENSIONS

DIMENSIONS



SCHEMATIC DIAGRAMS

SCHEMATIC DIAGRAM



ACCESSORIES

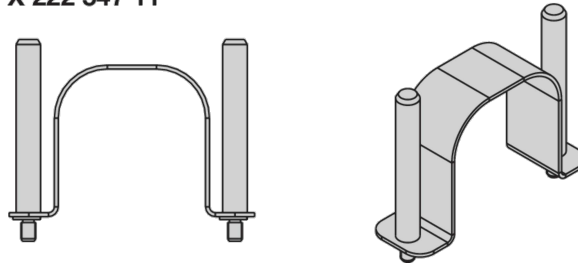
OPTIONAL ACCESSORIES

X22254711	Removing bracket (Device versions 8340-F)	
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FURTHER INFORMATION ABOUT ACCESSORIES (DRAWINGS)


ACCESSORIES

Withdrawal tool
(circuit breaker types 8340-F)
X 222 547 11



FURTHER PRODUCTS

RELATED PRODUCTS

<u>8340-F</u>	Single and multipole circuit breaker with magnetic or hydraulic-magnetic trip curve. Toggle actuation, front panel mounting, various trip characteristics and optionally available auxiliary contacts. The precise switching mechanism ensures reliable disconnection through an independent trip-free mechanism even with the smallest overcurrents. Low temperature sensitivity at rated load. Meets the requirements of the circuit breaker standard EN 60934 (IEC 60934): S-type, HM or MO	
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All information and data given on our products are accurate and reliable to the best of our knowledge, but E-T-A does not accept any responsibility for the use in applications which are not in accordance with the present specification. E-T-A reserves the right to change specifications at any time in the interest of technical improvement. Dimensions are subject to change without notice. Please enquire for the latest dimensional drawing with tolerances if required. All dimensions, data, pictures and descriptions are for information only and are not binding. Amendments, errors and omissions excepted. Ordering part numbers may differ from the device marking.