



04 | 2014

Compact electrical operating room 90 minutes fire resistance

Compact electrical operating room

90 minutes fire resistance

Fire-resistant room made of non-combustible A2 B material for the containment of electrical safety systems complying with the applicable building regulations. For the installation of complete distribution board enclosures such as TwinLine offering a degree of protection of not less than IP54 into the fire-resistant operating rooms.

Installation space for individually equipped low voltage switchgear assemblies. Without the need of a separate proof of a system's integrity under the terms of the relevant building regulations (MLAR [regulation on fire security of conduit installations]/ MEitBauVO [Model of a directive on the construction of premises for electrical systems]). Switchgear assemblies of this type are suited for higher power losses than fire protection enclosures.

Important note!

The rooms are prepared to be fitted with the user's ventilation system. In case of a fire the ventilation system must guarantee the ventilation over the specified time.



For a better representation, the pictures are presented without door

Compact electrical operating room

90 minutes fire resistance



Electrical operating room

IP54

Depth 586 mm

Compact enclosure



Features

- Fire resistance: 90 minutes
- EI 90/F 90 classification walls/ceiling
- T 90-RS classification of the door
- Door impervious to smoke, tested for continuous operation, self-closing
- Degree of protection IP54

Design

- Room offering high mechanical and chemical resistance in two standard sizes
- Fire protection using a dedicated fire protection board
- Free-standing installation
- 180 degree door opening angle, self-closing
- Door extractable, aluminium sliver latch
- Locking with 3-latch locks for semi-cylinders
- Door with circumferential smoke and fire protection seals, independent foaming in case of a fire
- Fire resistance inlet and exhaust air system, impervious to smoke per NW of 100 mm for the connection of the user's ventilation system
- Fire resistance fire stop cable entries, 135 mm diameter
- Plinth assembled, included in the scope of delivery

Material

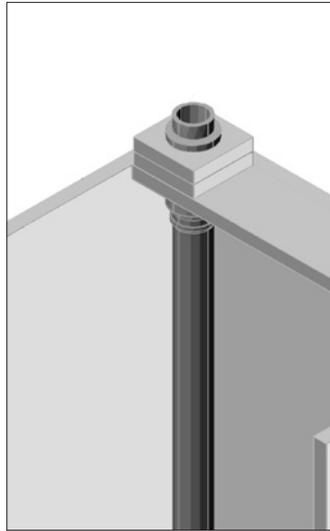
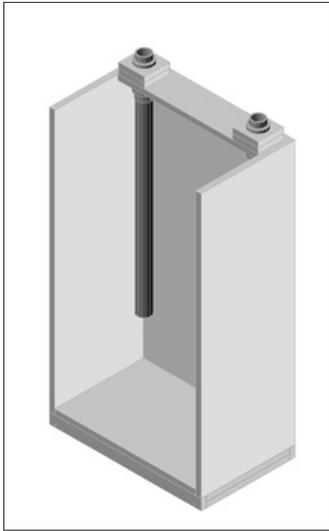
- Surface-coated material, A2 - s1, d0 classification, non-combustible
- The standard HPL surface is highly resistant and impervious to moisture
- Standard colour light grey, similar to RAL 7035, edges and chamfers painted dark

Additional features/Options

- Fire resistance inspection window in the door
- Additional cable entry

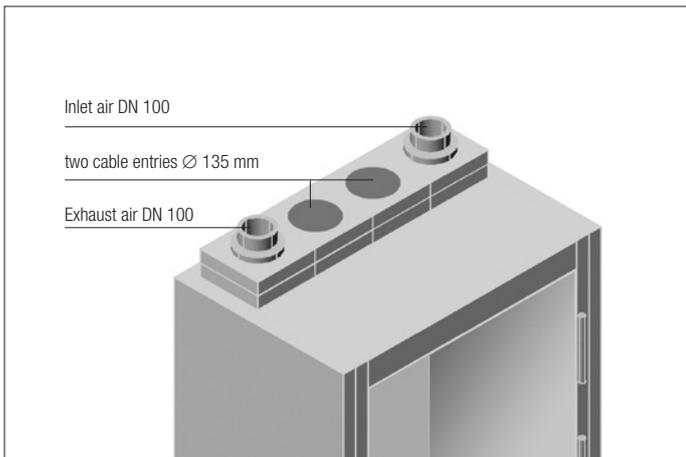
Compact electrical operating room

90 minutes fire resistance



Ventilation

The rooms are prepared for a connection of the user's ventilation systems. The user's ventilation system must guarantee the ventilation over the specified time in case of a fire.



Cable entry

Cable entry from the top through two fire resistance fire stop cable entries.



Door

- With door handle, impervious to smoke, self-closing
- Prepared for semi-cylinders
- As an option with fire resistance inspection window

Delivery formats

- Completely mounted
- As flatpack for self-assembly

Compact electrical operating room

Operating rooms / plinth



KEB28R

Panel width	External dimensions in mm	Hinged	Type	Ord. no.	Price	Weight
PW	H x W x D					kg
Fully assembled						
2 panel wide	2501 x 894 x 586	right	KEB28R	2CPX042930R9999		662
	2501 x 894 x 586	left	KEB28L	2CPX042931R9999		662
As flatpack						
2 panel wide	2501 x 894 x 586	right	KEB28RB	2CPX042932R9999		662
	2501 x 894 x 586	left	KEB28LB	2CPX042933R9999		662



KEB38R

Panel width	External dimensions in mm	Hinged	Type	Ord. no.	Price	Weight
PW	H x W x D					kg
Fully assembled						
3 panel wide	2501 x 1144 x 586	right	KEB38R	2CPX042934R9999		692
	2501 x 1144 x 586	left	KEB38L	2CPX042935R9999		692
As flatpack						
3 panel wide	2501 x 1144 x 586	right	KEB38RB	2CPX042936R9999		692
	2501 x 1144 x 586	left	KEB38LB	2CPX042937R9999		692



BSR2



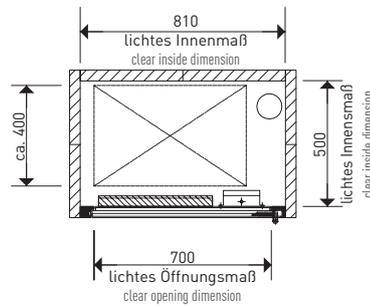
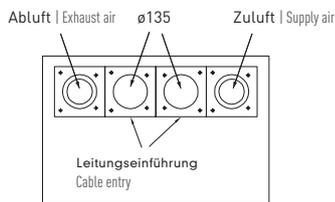
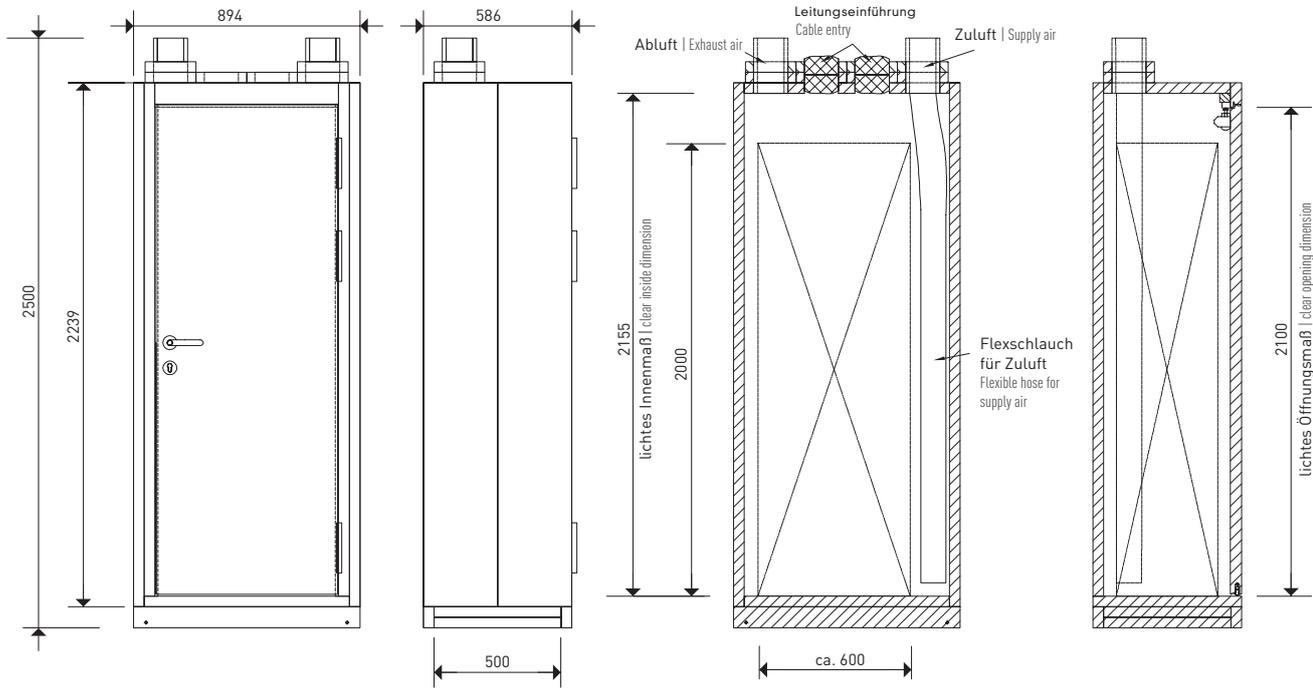
BSR3

Article	External dimensions in mm H x W x D	Type	Ord. no.	Price	Weight in kg
Plinth* Width 810 mm 2 panel wide	84 x 894 x 586	BSR2	2CPX042938R9999		50
Plinth* Width 1060 mm 3 panel wide	84 x 1144 x 586	BSR3	2CPX042939R9999		65

* The plinths are included in the scope of delivery.

Compact electrical operating room

Dimensions 2 panel wide



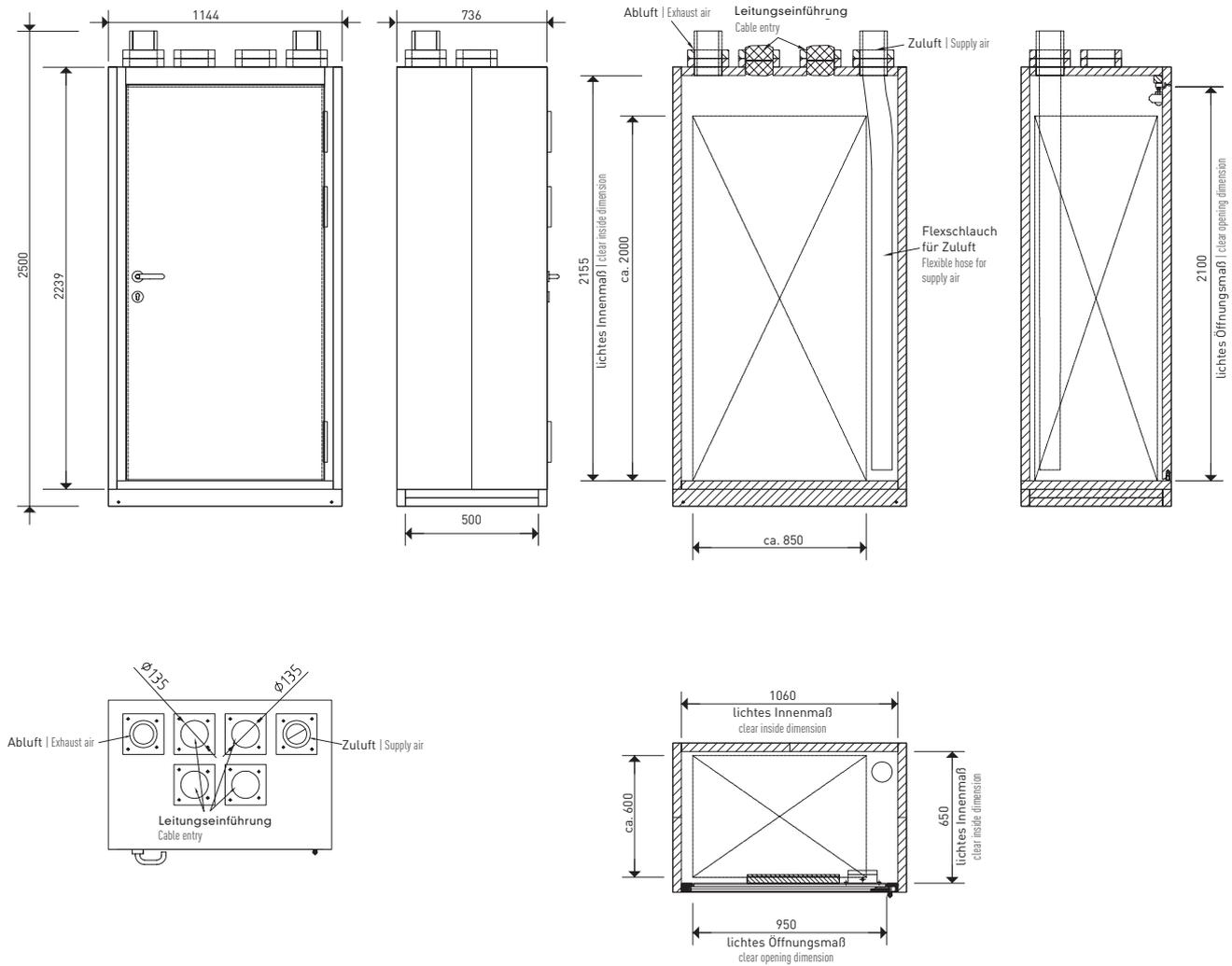
Power loss:

An ambient temperature of 35 °C should be assumed for the calculation of the allowed power loss for the low voltage switchgear assembly.

Dimensions in mm

Compact electrical operating room

Dimensions 3 panel wide



Dimensions in mm

Contact us

STRIEBEL & JOHN GmbH & Co. KG

Am Fuchsgraben 2-3
77880 Sasbach, Germany
Phone: +49 7841 609 0
Fax: +49 7841 609 545
E-mail: info.desuj@de.abb.com

www.striebelundjohn.com

Note: We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. STRIEBEL & JOHN does not accept any responsibility whatsoever for potential error or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior consent of STRIEBEL & JOHN.

Copyright © 2014 STRIEBEL & JOHN
All rights reserved

K-0216-ST-04/2014-V1 · 2CPC 000 216 B0201