

SlimLine - a family of low voltage apparatus

FAMILY PRESENTATION

SlimLine is a family of 3 pole and 4 pole switching devices in tier form for either horizontal or vertical installation in switchboards.

The 3 frame sizes 50 mm, 100 mm and 200 mm are of a modular design, and can therefore easily be combined in a switchboard column.

PROPERTIES:

- Typetested according to IEC 947-3
- 500 V or 690 V
- 160 A - 630 A
- 3 pole and 4 pole version
- AC and DC version
- Developed for plug-in switchboard systems
- Horizontal or vertical installation
- Front cover interlocked in «ON» position
- IP 41 degree of protection from the front
- Available for DIN, NH, HRC fuse links
- Available for BS 88 fuse links

COMPACT DESIGN

The compact design of SlimLine offer spacesaving solution for the enduser. This results in a cost attractive switchboard system with a number of applications.

ADVANTAGES:

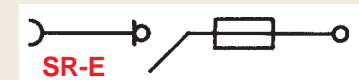
- Increased personal safety
- Modular design
- Easy to install
- Compact design/space saving
- Cable termination with cable lugs or cable clamps
- Wide range of accessories
- Operating handle fitted with padlocking facilities in «OFF» position
- Positive indication of switch position
- Various mouting depths

Size 00: 160 A

Size 1: 250 A

Size 2: 400 A
Size 3: 630 A

The family members are:



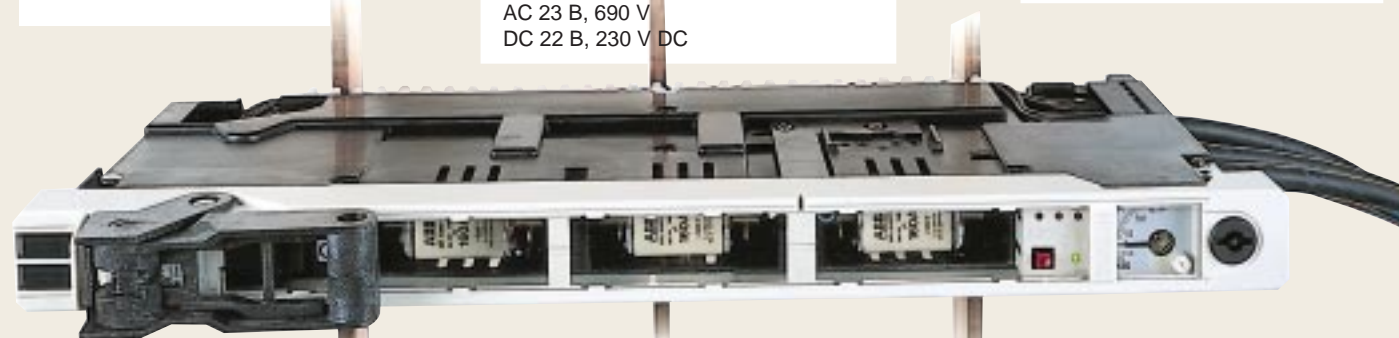
SR-E
Switch-fuse-disconnector with operating mechanism.
DIN fuses: Size 00,1,2,3.
AC 22 B, 500 V
AC 21 B, 690 V



SR-M
Switch-fuse-disconnector with operating mechanism. Interruption on both sides of the fuses.
DIN fuses: Size 00,1,2,3.
BS 88 fuses: 63 A, 100 A, 200 A, 400 A.
AC 23 B, 690 V
DC 22 B, 230 V DC



SR-B
Switch-disconnector/load break switch with operating mechanism.
Size 00,1,2,3.
AC 23 B, 690 V



SR-U
Fuse base.
DIN fuses: Size 00,1,2,3.
AC 20 B, 690 V



SR-S
Busbar section switch with operating mechanism.
DIN fuses. Size 3.
AC 23 B, 690 V

SlimLine – the heart of all switchboards



Howarth Switchgear



Eldon



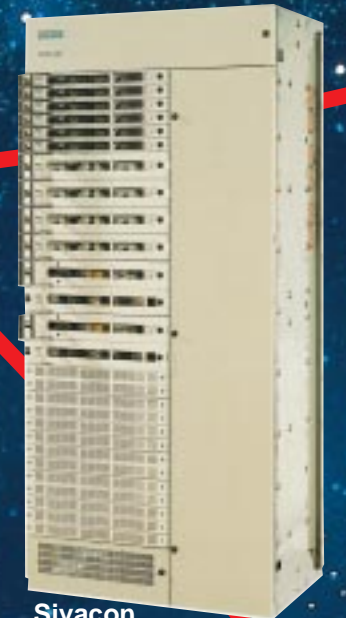
Howarth Switchgear



Rittal



Siemens



OTHER SWITCHBOARDS FOR SLIMLINE:

Manufacturer	System
ABB	KNS
Albrecht Jung	Kassette Type JK
Cubic	
Elsteel	SAS 4000
Hensel	SlimLine System
Lögstrup	
Tabula/Holec	
ELEK	
Striebel & John	XA
Merlin Gerin	PRISMA
Klöckner Moeller	MODAN 2000 – 6000

They all like doing it.....use the SlimLine (Panelbuilders love it)

Available for different busbar systems

The complete family range is available for 3 alternative busbar phase distances:



- 50 mm** Distance between phases. 5 mm busbar
- 60 mm** Distance between phases. 10 mm busbar
- 185 mm** Distance between phases. 10 mm busbar

Wide range of accessories

The SlimLine family offers a wide range of accessories needed to meet all demands of applications in modern switchboards. The family-range can offer the following accessories for the apparatus as well as system accessories:

APPARATUS ACCESSORIES

- Cable clamps (Bolts for cable lugs is basic)
- Auxiliary switch up to 2NO + 2NC
- Plug in CT for ammetering
- Electronic fuse surveillance with connector for remote monitoring
- Ammeter
- 3 phase CT combined as IP 20 cable shroud
- Cable shrouds

SYSTEM ACCESSORIES

- SlimLine Cassette
- Busbar cover IP 20
- Service Module
- Blind front cover IP 41, H = 50 mm
- Guide rails
- Replacement tool

Modern cable connection technology

In the design of the switching devices, special attention has been made to make the connection of the cables as simple as possible. All products in the family are suitable for connection by cable lugs or modern cable clamps.

Technical data

Type	Size	DIN fuses					BS 88		
		SR-U	SR-E	SR-M	SR-SS/SP	SR-M-DC	SR-M BS 88	SR-M-DC	SR-B
Rated operational voltage U _e (V)		690	500/690	500/690	500/690	230	690	230	690
Rated insulation voltage U _i (V)		1000	1000	1000	1000	–	1000	–	1000
Rated impulse withstand U _{imp} (V)		8000	8000	8000	8000	–	8000	–	8000
Rated operational current I _e (A)	00	160	160/100	160/100	–	160	63/100	63/100	160 ²⁾
Rated operational current I _e (A)	1	250	250	250	–	250	200	200	250 ²⁾
Rated operational current I _e (A)	2	400	400	400	–	400	400	400	400 ²⁾
Rated operational current I _e (A)	3	630	630	630	630	630			630 ²⁾
Fuse protected short circuit making (kA _{ms})		–	50	50	50	60	50	–	50 ²⁾
Fuse protected short circuit withstand (kA _{ms}) ¹⁾		100	100	100	100	–	100	–	
Rated short time withstand current 1 sec. (A _{rms})						–		–	12 x I _e
Rated making and breaking capacity		AC20B	AC22B	AC23B	AC23B	DC22B	AC23B	DC22B	AC23B
Rated frequency		50/60	50/60	50/60	50/60	–	50-60	–	50-60
Degree of protection from the front		IP 41	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41	IP 41

Rated making and breaking capacity according to IEC 947-3.
Rated current with fuses must be reduced according to IEC 439 when mounting switches into cubicles.

1) Personal safe. (Welded contacts allowed.)

2) With max. rated backup fuses.

SlimLine

... the complete switchgear system

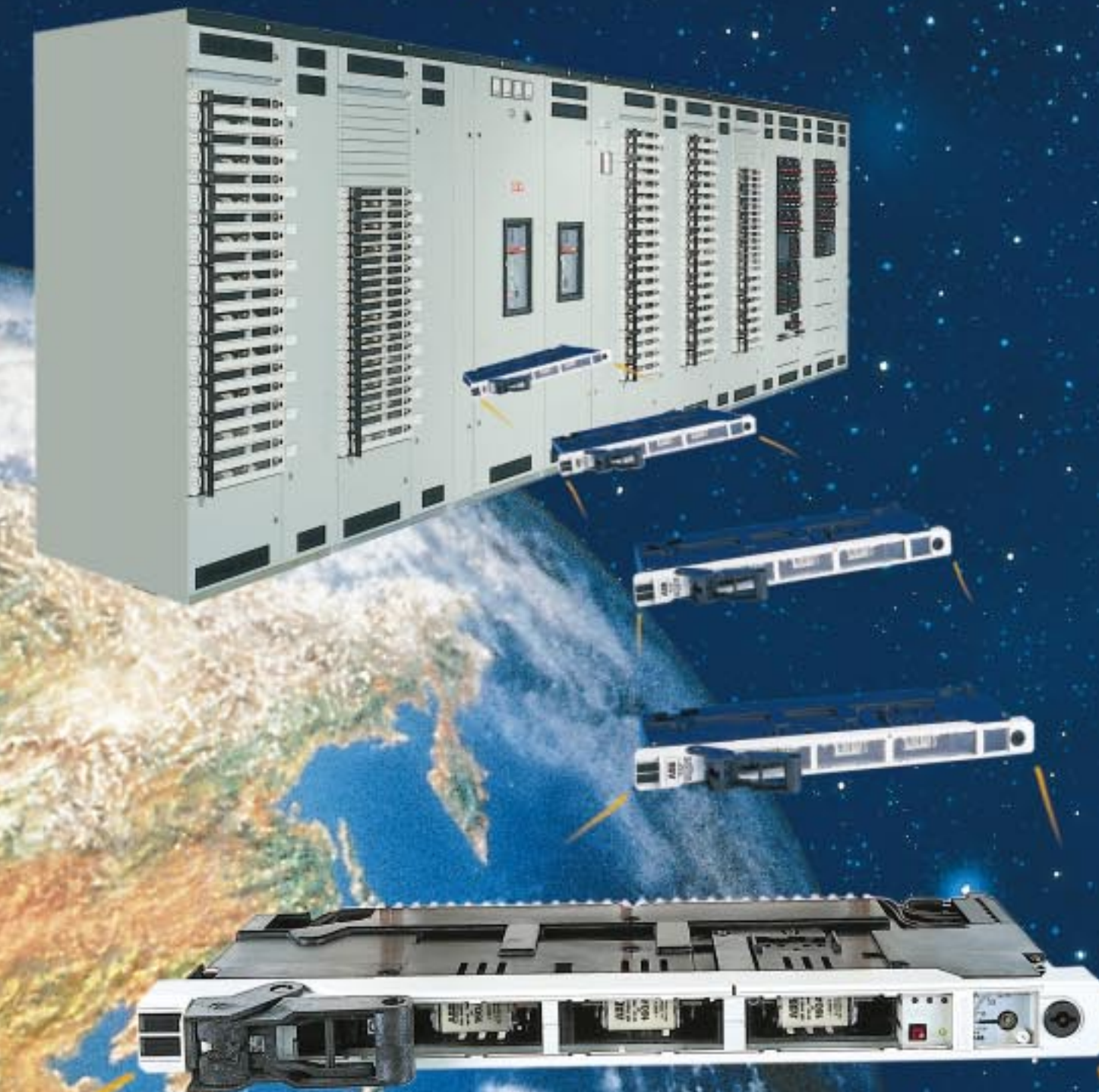


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