

Switch and fusegear - Twinbreak

Switch disconnecter fuse

Application

Heavy duty fuse products for use in commercial and industrial environments, providing isolation and traditional fuse protection for electrical loads.

Features

- Rated for 240/415V 50/60Hz
- Ratings 20A, 32A, 63A, 100A, SP&SwN, TP&N
- Utilisation category AC20A, AC21A, AC22A, AC23B at rated current
- Degree of protection IP41
- Handle position provides positive contact indication
- Door handle prevents door being opened when switch is ON or padlocked
- Handle padlockable in ON and OFF positions
- Fuse links supplied as standard

Construction

- Live terminals fully shrouded
- Door interlock has integral defeat mechanism allowing door to be opened without switching OFF. This feature is not operable when the handle is padlocked
- Removable gland plates with cable knockouts
- Lift off door provides greater access for installation and cabling
- Door opens within the width of the unit allowing units to be mounted adjacent
- Neutral has disconnectable link and capacity for 3 outgoing cables
- Keyhole slots in the enclosure base allow easy installation
- Earthing kit provided as standard
- Easy access to fuse links
- Steelwork finished in polyester epoxy powder



Technical data

Standard	BS EN 60947-3			
Rated operational voltage	415V 50/60Hz			
Rating	20A	32A	63A	100A
Rated current at 40°C, A	20	32	63	100
Rated impulse voltage	6kV	6kV	6kV	6kV
Rated short time withstand I_{cw}, A	416	416	756	1300
Rated short circuit making capacity I_{cm}	1.35kA	1.35kA	1.35kA	3.5kA
Rated short circuit breaking capacity I_{cn}	50kA	50kA	50kA	50kA
Utilisation category at rated current	AC-20A/ 21A/ 22A/ 23B			
Kilowatt rating	11kW	15kW	30kW	55kW
Cable size, maximum mm²	10mm ²	10mm ²	25mm ²	50mm ²

Reference numbers

Rating AC21/22/23	Single pole & switched neutral		Three pole with neutral link	
	Switch disconnecter fuse	Switch disconnecter	Switch disconnecter fuse	Switch disconnecter
20A	SD202SFK	SD202SW	SD203SFK	SD203SW
32A	SD322SFK	SD322SW	SD323SFK	SD323SW
63A	SD632SFK	SD632SW	SD633SFK	SD633SW
100A	SD1002SFK	SD1002SW	SD1003SFK	SD1003SW
125A	-	-	-	SD1253SW
160A	-	-	-	SD1603SW

Busbar chambers

Step 1

Select Twinbreak units required. If a 125 or 160A unit is fitted the rating of the adjacent units cannot exceed 63A.

Step 2

Select appropriate busbar chamber.

Current rating	Number of units	Number of units
Amps	4	6
160	SBC106	SBC109

SBC106 is supplied complete with 4 x TBCKIT.

SBC109 is supplied complete with 6 x TBCKIT.