

i-switch Range - Sheet Steel Enclosed 125A 6P+2 E/B (SDR01256EB)

General Description

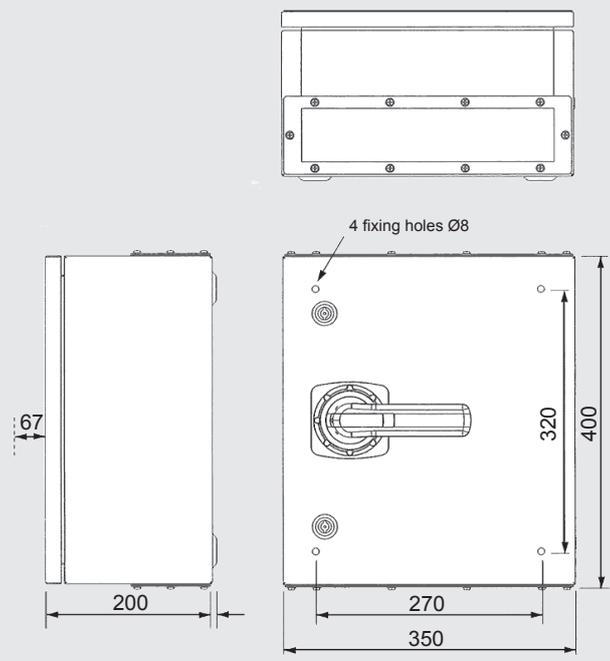
Switch Disconnecter from the 'i-switch' family of products. Designed to isolate multi-pole devices up to 45kW at 380/440V. Housed in a distinctive Red enclosure with removeable top & bottom gland plates, the assembly is sealed to IP65.



Design Features

- Safety handle - when padlocked in the 'Off' position, the enclosure door cannot be opened. Capable of accepting up to three padlocks in the 'Off' position. ('On' position on request)
- Door interlock handle can be defeated to enable emergency opening, or for testing purposes. (Must be carried out by a competent person)
- Sealing to IP65
- Removeable gland plates on top & bottom of all enclosures.
- Switch mounted on removeable galvanised chassis plate.
- Earthing points on box, lid & chassis plate. Pre-installed continuity connections.
- Enclosure finished Red (RAL 3020).

Dimensions



- | | |
|----------------------|---|
| Materials | Sheet steel |
| Finish | Iron phosphate pre treatment with a powder coat RAL 3020 (Red) textured finish. |
| Hinges | Metal with quick release pins. |
| Door Locks | Two all metal locks supplied with one key per enclosure. |
| Gland plates | Gland plate on top & bottom faces finished to match the enclosure. |
| Chassis plate | Matl.- 2mm zinc plated steel. |

T e c h n i c a l D a t a S h e e t

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Technical Specification (Switch Disconnectors)

Data supplied against tests to IEC/BS EN 60947-3

		Sym.	Unit	125A
Rated insulation voltage		U_i	V	690
Rated impulse voltage		U_{imp}	kV	8
Rated thermal current		I_{th}	A	125
Rated operational voltage			V	690
Rated short-time withstand (1 sec)	1 sec	I_{cw}	A	2100
	3 sec		A	1300
	10 sec		A	700
	30 sec		A	400
	60 sec		A	300
Rated operational current	AC1/AC21A		A	125
	AC15	110V	A	40
		220/230V	A	28
		380/400V	A	15
		660/690V	A	5
Rated operational power	AC3 (3 Pole)	220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	AC3 (2 Pole)	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	AC23A (3 Pole)	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	AC23A (2 Pole)	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
DC Switching Capacity (I_e)	DC21A tc=1ms	48V	A	125
		60V	A	80
		110V	A	10
		220V	A	-
		440V	A	-
	DC23 tc=15ms <i>No. of contacts in series (l)</i>	24V	A	125(1)
		48V	A	125(2)
		60V	A	125(3)
		110V	A	50(3)
		220V	A	20(4)
	DC13 tc=50ms	48V	A	100
		60V	A	50
		110V	A	4
		220V	A	-
		440V	A	-
Max. fuse size for short circuit protection	10kA	I_n (gG/gL)	A	125
	25kA		A	100
	50kA		A	100
	63kA		A	100
Mechanical life		Switching cycles		1×10^6
Terminal screw size				2xM5
Terminal capacity <i>r = rigid conductor</i> <i>f = flexible conductor</i>		(max.r/f)	2 x mm ²	70/50
			2 x AWG	2/0 / 1/0
		(min.r/f)	2 x mm ²	2.5/2.5
			2 x AWG	14/14

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