

INSTRUCTION MANUAL

**SD32 N, SD63 N,
SD100 N, SD160 N,
SD200 N**

**VAULT RANGE
SWITCH-DISCONNECTOR**

INSTRUCTION MANUAL





Hazards of electric shock and burning. Installation, commissioning and maintenance to be done by qualified personnel only. Always use an appropriate voltage detection device to confirm the absence of voltage. Disconnect the power and isolate before proceeding with any work on this equipment. Use according to the operating instructions, professional practices, wiring rules, codes, safety regulations applicable to the given installation.



Keep fingers away from moving mechanical parts of the mechanism as this may cause serious personal injury.



Interior

SD32N/SD63N/SD100N
SD160N/SD200N



Carton, padding and the honeycomb can be recycled after removal of the Brass staples from the carton. The polybags and the EPE Buffer (foam-like buffer, white in colour) can be recycled separately.

SELECTION TABLE FOR HANDLE POSITION IN OFF

SEEN FROM FRONT OF THE DOOR

SR. NO.	HANDLE (OFF) POSITION	OPERATING QUADRANT (HAND)	SWITCH ORIENTATION	DOOR CUTOUT	HANDLE COUPLING TYPE
1					A
2					B
3					B
4					A
5					A
6					B
7					B
8					A

INSTRUCTIONS

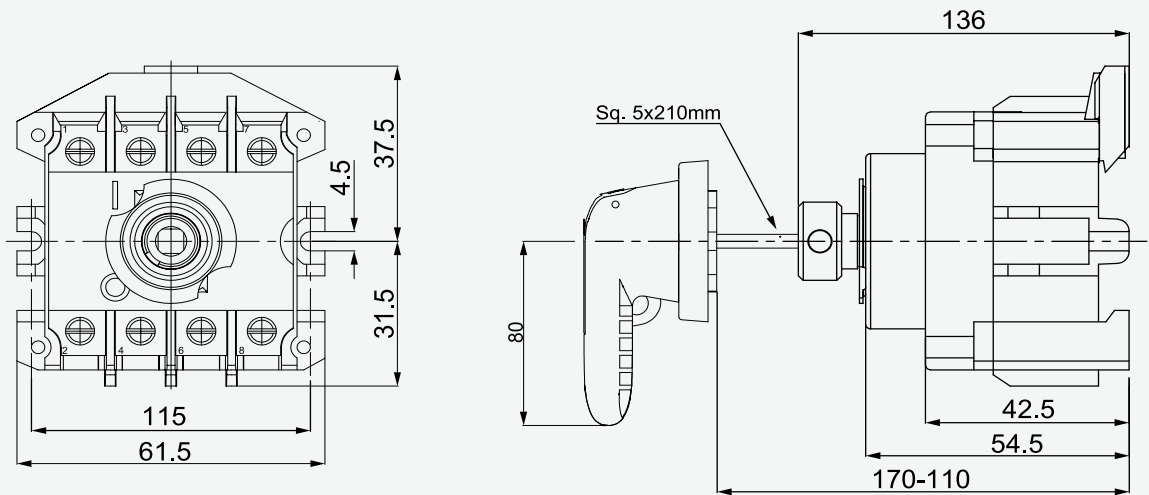
1. ASSEMBLY DETAILS OF HANDLE COUPLING (TYPE A) ON DOOR FOR Sr. No. 1 POSITION IN SELECTION TABLE ARE EXPLAINED IN SUBSEQUENT PAGES.
2. FOR SELECTING HANDLE OR SWITCH IN ANY OTHER ORIENTATION PLEASE REFER SELECTION TABLE AND NOTE THE CHANGES IN DOOR CUTOUT. SWITCH MOUNTING AND TYPE OF HANDLE COUPLING (A OR B).
3. BEFORE ENGAGING THE HANDLE COUPLING ENSURE THAT BOTH THE SWITCH & THE HANDLE COUPLING ARE IN OFF POSITION AND THE ARROW ON THE LABEL APPEARS IN CLOCKWISE DIRECTION.

NOTES: ARROW (↑) INDICATES POSITION OF INTERLOCK DEFEAT KEY.
TYPE A: SUPPLIED WITH SWITCH
TYPE B: SUPPLIED ON REQUEST



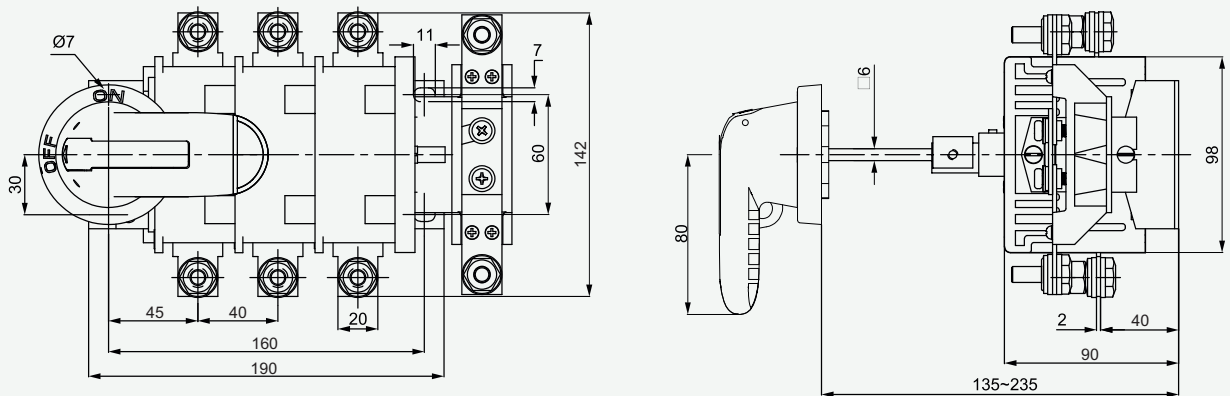
OVERALL DIMENSION

SD32N (4-POLE)



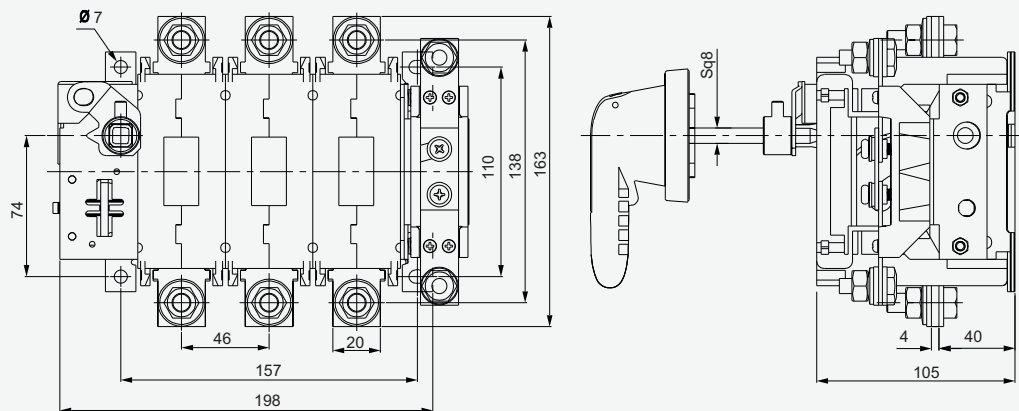
OVERALL DIMENSION

SD63N/SD100N/SD160N



OVERALL DIMENSION

SD200N



When commissioned, a clearance of 14mm minimum between the following shall be maintained

- Two phases
- Phases and earth
- Phases and neutral



TERMINATION DETAILS

SD32N/SD63N/SD100N/
SD160N/SD200N - TERMINATION CAPACITY

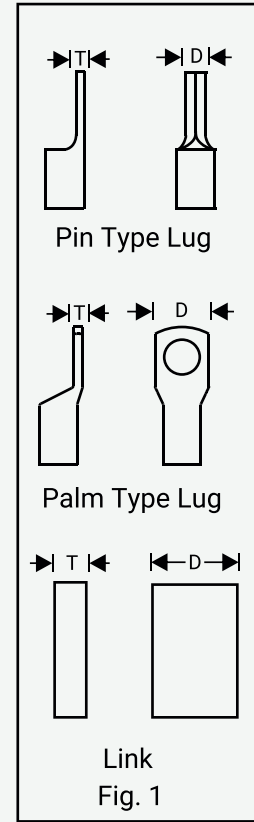
Conductor sizes as per standard		
32A	Cu = 6 mm ²	Al = 10 mm ²
63A	Cu = 16 mm ²	Al = 25 mm ²
100A	Cu = 35 mm ²	Al = 50 mm ²
160A	Cu = 70 mm ²	Al = 120 mm ²
200A	Cu = 95 mm ²	Al = 120 mm ²

TERMINATION	32A (Pin Type Lug)		63A/100A/160A/200A (Palm Type Lug / Link)	
	With Box Clamp		With Box Clamp	
	D(max.)*	T(max.)*	D(max.)*	T(max.)*
Bare conductor	6	-	20	4
Cable with Pin Type Lug	6	3	20	4

RECOMMENDED TIGHTENING TORQUE

RATING	TERMINAL SCREWS	TORQUE, Nm	NEUTRAL(TPN)	TORQUE, Nm
32A	M 6	2.5	-	-
63A 100A 160A 200A	M 8	10.0	M 8	10.0

* Refer Fig.1



"This literature gives information to user about product installation, operation maintenance and disposal. This information is not exhaustive and should customer require further information, in specific cases, customer may contact customer interaction cell."

"The manufacturer assumes no responsibility for injuries, losses, damages to human beings and/or equipments due to inappropriate application of instructions, provided herein."

"Product development is a continuous process. The information given in this literature is subject to change. For latest information the customer may contact customer interaction cell"

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