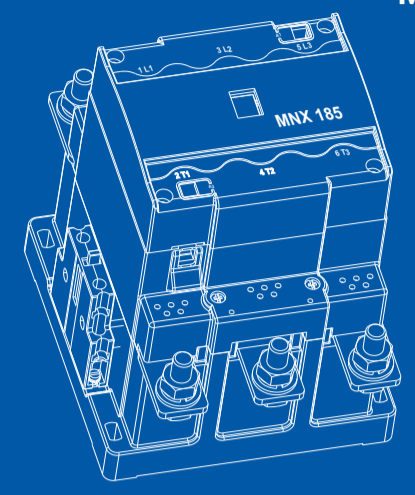



Front Side
297.00

CONTACTOR

MNX 185/ MNX 225/ MNX 250
 MNX 185-2P/ MNX 225-2P/ MNX 250-2P



INSTRUCTION MANUAL



Manufacturer assumes no responsibility for a hazard or damage caused by incorrect or non-application of any of the instructions attached herein.

Use according to the operating instructions, professional practices, wiring rules, codes, safety regulations applicable to the given installation.

Disconnect the power and isolate before proceeding with any work on this equipment.

Always use an appropriate voltage detection device to Confirm the absence of voltage.

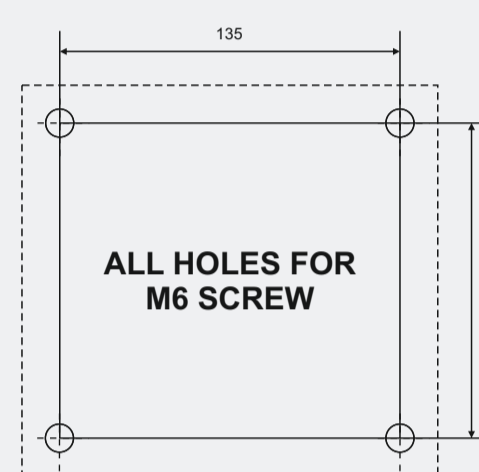
Installation, commissioning and maintenance to be done by qualified personnel only.

Hazards of electric shock and burning.

Carton & padding can be recycled.

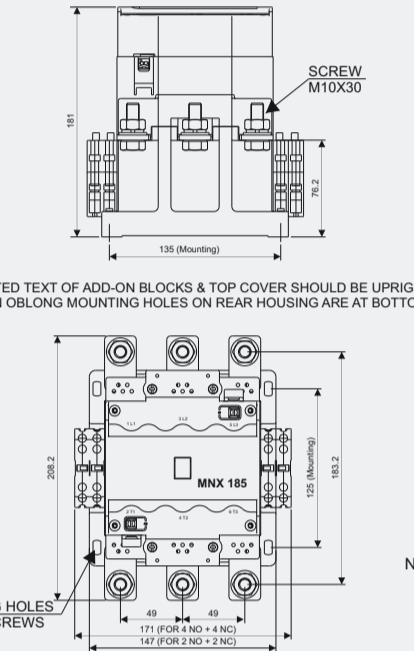
Poly bags can be recycled separately.

MOUNTING DIMENSIONS



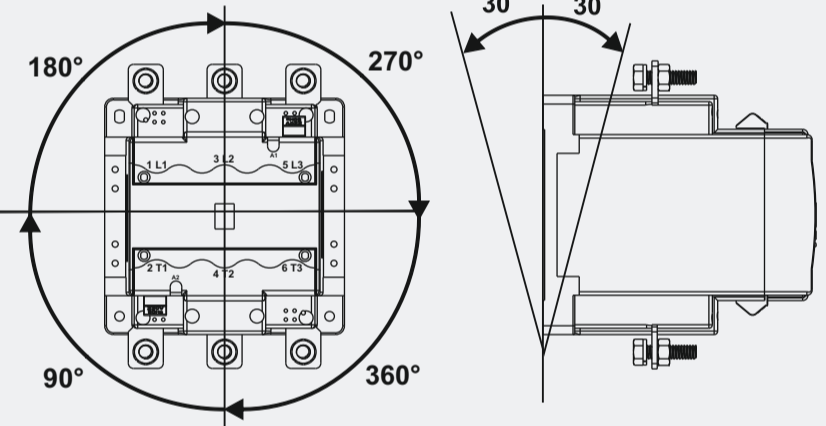
Terminal Description	Screw Size	Recommended Torque (Nm)
Main pole terminals	M10	14
Aux pole/coil/add-on block terminals	M3.5	1.1

OVERALL DIMENSIONS



Note: Dimension for 2 Pole contactor is same as Dimension for 3 Pole contactor.

MOUNTING



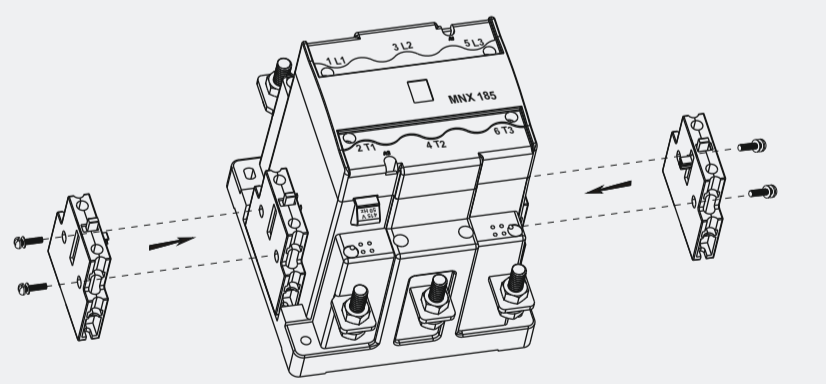
Termination capacity	
Conductor type	MNX 185-250
Solid conductors (mm ²)	-
Multi strand conductors (mm ²)	-
Cable with Lug (mm ²)	1 x 185

ACCESSORIES & SPARES

Accessories Description	Catalogue No.	Terminal Markings
Auxiliary Contact Blocks		
Side 1NO+1NC (First Left)	CS942050000	13-14, 21-22
Side 1NO+1NC (First Right)	CS942060000	43-44, 31-32
Side 1NO+1NC (Second Left)	CS942070000	53-54, 61-62
Side 1NO+1NC (Second Right)	CS942080000	83-84, 71-72
Mechanical Interlock kit	CS941990000	MNX-M7
Surge Suppressor (110V)	CS94164A000	
Surge Suppressor (220-240V)	CS94164B000	MNX-S4
Surge Suppressor (360-525V)	CS94164D000	

Spares Description	Catalogue No.
Spare Coil-MNX 185/225/250	CS94194 (ADD 4 DIGIT COIL VOLTAGE SUFFIX)
Spare Contacts Kit MNX 185	CS941560000
Spare Contacts Kit MNX 225	CS941570000
Spare Contacts Kit MNX 250	CS903100000

SECOND SIDE ADD-ON FITMENT



FOR MOUNTING 2nd LEFT & RIGHT : ALIGN ACTUATOR OF FIRST ADD-ON BLOCK WITH SECOND ADD-ON BLOCK. FIX SECOND ADD-ON BLOCK WITH SCREWS PROVIDED.

NOTE: 1st LEFT & RIGHT ADD-ON BLOCKS ARE BUILT-IN WITH CONTACTOR

MECHANICAL INTERLOCK FITMENT

FOR MOUNTING PROCEED AS FOLLOWS:

KIT CONTAINS:

- One mechanical interlock assembly
- Four guide assemblies
- Eight spacers.

Mount contactor on base plate assembly '1' Place guide assembly '3' with spacer '5' on the base plate such that projection of actuator '4' from guide assembly goes between the '1' slot in auxiliary contact bridge '2' by aligning as required & fix it using the screws provided.

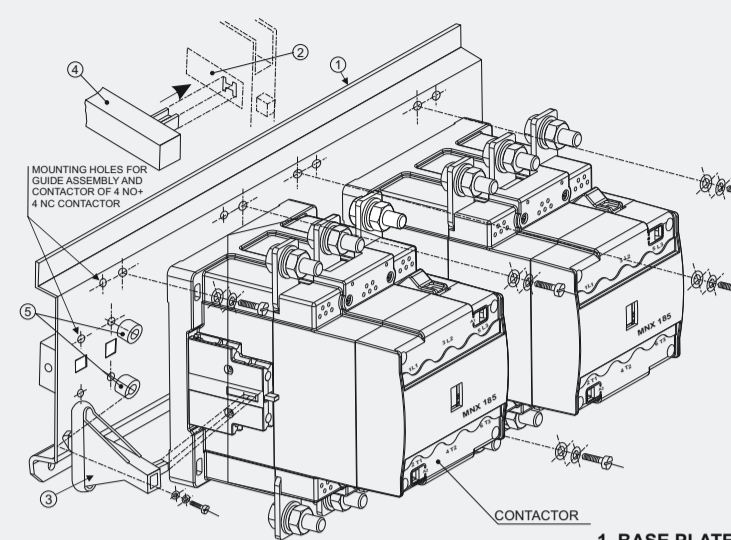
Repeat the same fixing on other side of the contactor.

Repeat the similar operation for second contactor.

Back Side
297.0

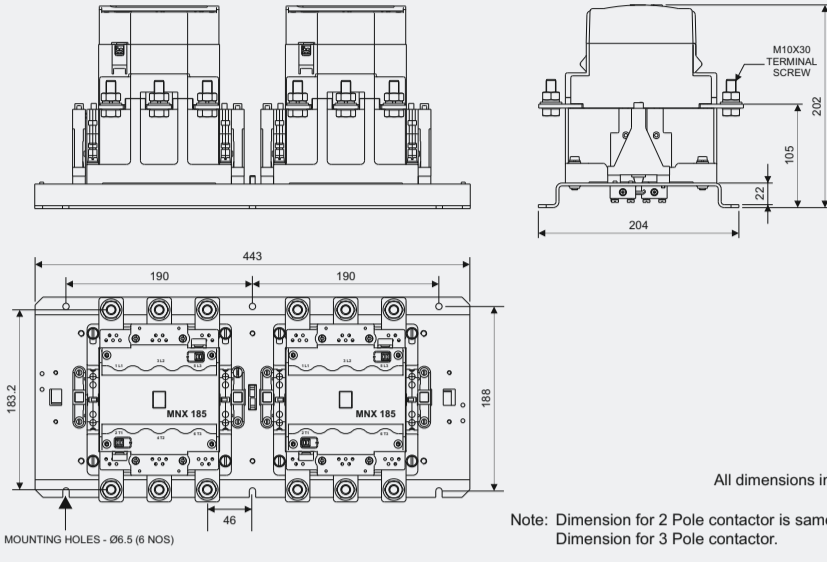
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm.
TOLERANCE: +/-0.5mm.

MECHANICAL INTERLOCK FITMENT



1. BASE PLATE ASSEMBLY.
2. AUXILIARY CONTACT BRIDGE.
3. GUIDE ASSEMBLY.
4. ACTUATOR
5. SPACER

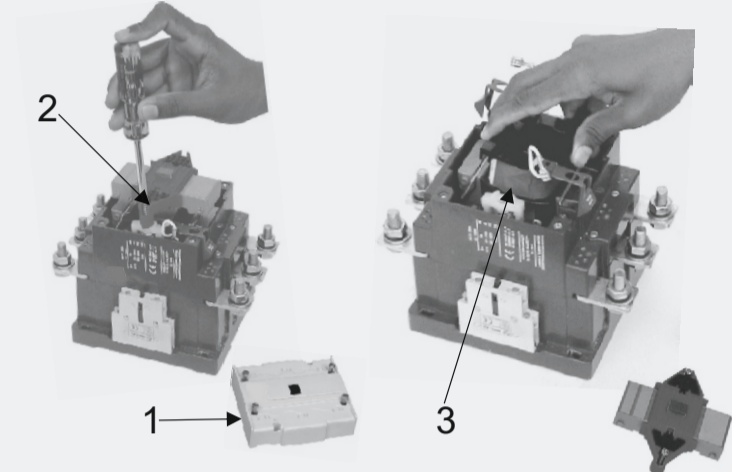
MECHANICAL INTERLOCK KIT OVERALL DIMENSIONS



All dimensions in mm.

Note: Dimension for 2 Pole contactor is same as Dimension for 3 Pole contactor.

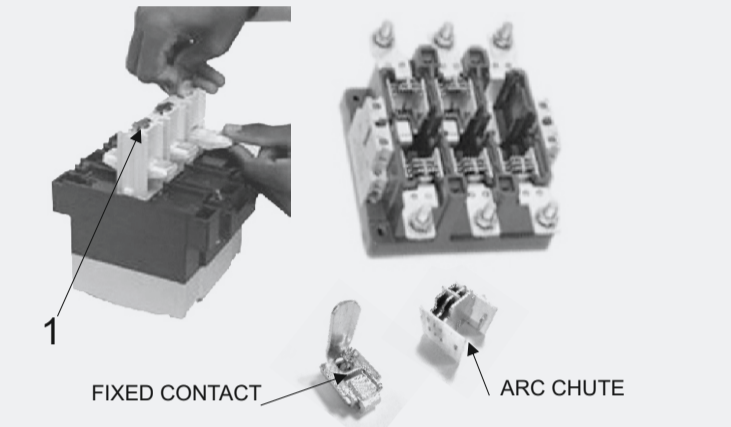
COIL REPLACEMENT



1. Switch off main power supply and control supply.
2. Remove top cover (1).
3. Remove top bridge assembly by opening quarter turn screw (2).
4. Remove coil lugs and replace coil (3).

NOTE - Main power cables and control cables need not be disconnected

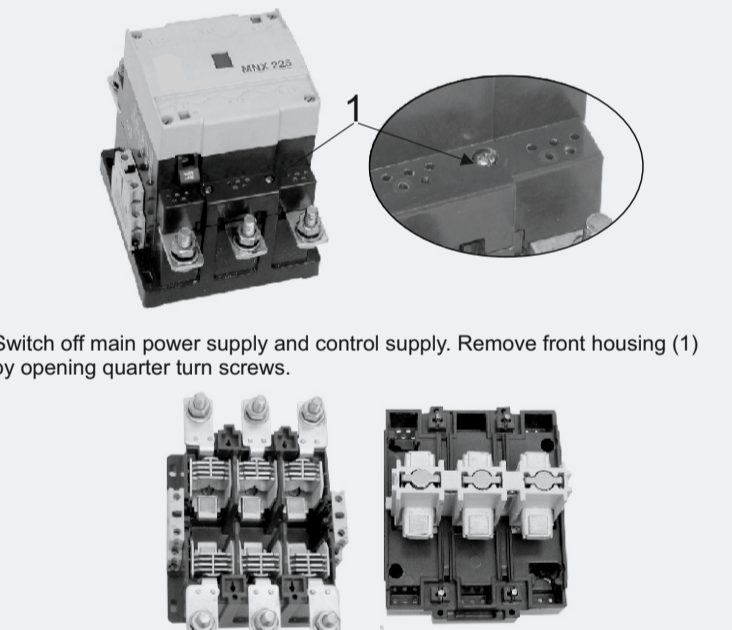
CONTACT REPLACEMENT



1. Remove front housing assembly by opening quarter turn screws.
2. Press contact strap (1) and remove the moving contacts.
3. Remove arc chute assembly and remove the fixed contact by opening screws.

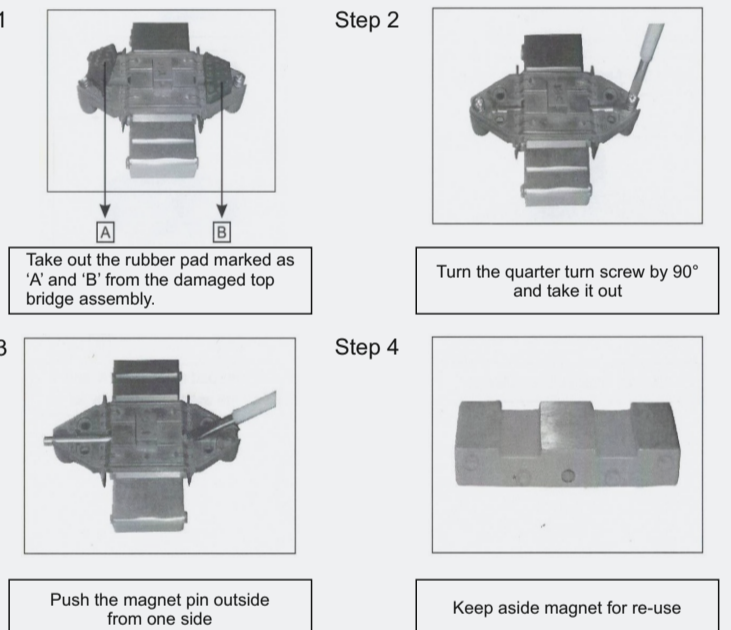
NOTE - The complete set of contacts needs to be changed in case of a contact replacement

CONTACT INSPECTION



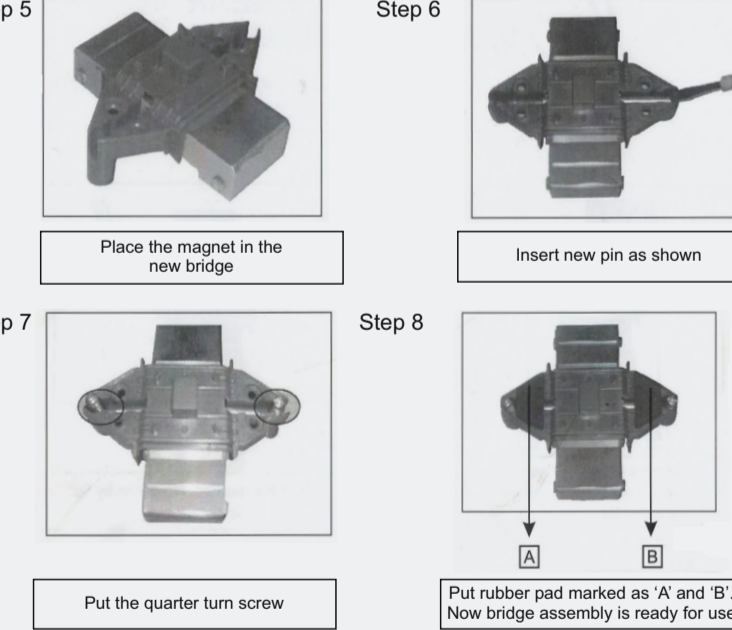
1. Switch off main power supply and control supply. Remove front housing (1) by opening quarter turn screws.

REPLACING SPARE BRIDGE ASSEMBLY



- Step 1: Take out the rubber pad marked as 'A' and 'B' from the damaged top bridge assembly.
- Step 2: Turn the quarter turn screw by 90° and take it out.
- Step 3: Push the magnet pin outside from one side.
- Step 4: Keep aside magnet for re-use.

REPLACING SPARE BRIDGE ASSEMBLY



- Step 5: Place the magnet in the new bridge.
- Step 6: Insert new pin as shown.
- Step 7: Put the quarter turn screw.
- Step 8: Put rubber pad marked as 'A' and 'B'. Now bridge assembly is ready for use.

"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."

"Product images are indicative"

CUSTOMER INTERACTION CELL (CIC)

Phone No: 022 6932 7800
E-mail: CIC@LK-EA.COM
Website: WWW.LK-EA.COM



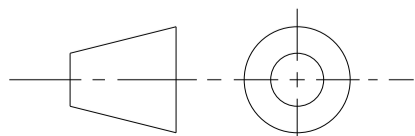
Electrical & Automation
Electrical Standard Products
A/600, SHIL - MAHAPE ROAD,
TTC Industrial Area, MIDC Thane,
MUMBAI, MAHARASHTRA, 400710

VER. 1.0

THIS DRAWING AND DESIGN MUST NOT BE COPIED WITHOUT PERMISSION IN WRITING.

MATERIAL: 80 gsm MAPLITHO PAPER
NOTE : UNLESS OTHERWISE SPECIFIED LAYOUT, COLOUR SCHEME, FONT STYLES AND FOLDING SEQUENCE CONFORM TO CD01020

This component does not use any material listed hazardous by RoHS directives

DATE :		L&T Electrical & Automation (A Unit of Schneider Electric India Private Limited)	
SCALE: 1:1			
OFN/RLM No.:			
SOFTWARE: Coreldraw		Product Insert CONTACTOR (MNX185-250)	
MODEL :			
PROCESS SHEET :		DEPT: 300202316	
DRAWN BY :		SP02062	
CHECKED BY :			
APPROVED BY :			
TCN 500001470535 13-05-2024 SS		PROJECTION 	
REVISIONS		SHEET OF	