



## INSTRUCTION MANUAL

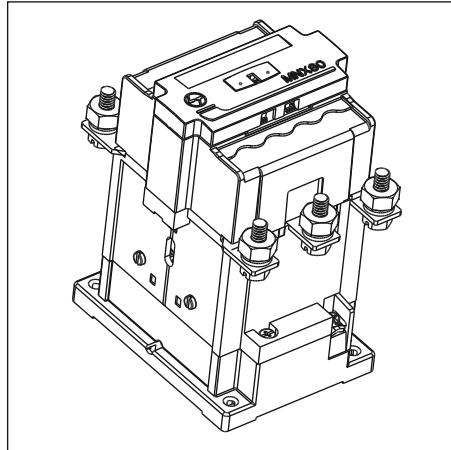
### MNX 50 MNX 70/ MNX 80



#### 3 POLE CONTACTORS

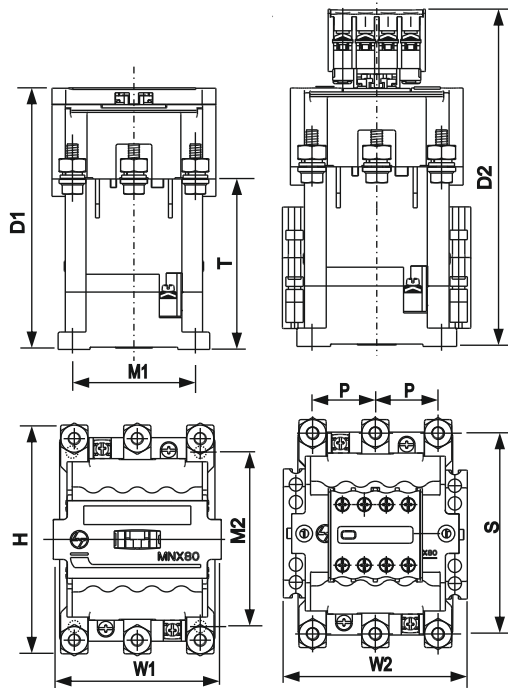
CS97075 MNX 50  
CS97076 MNX 70  
CS97077 MNX 80

#### 2 POLE CONTACTORS

CS94061 MNX 50-2P  
CS94062 MNX 70-2P  
CS94063 MNX 80-2P



 <b>WARNING</b>	<p>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 installation.</p>
 <b>CONTENTS UN PACKING</b>	<p>Carton, CFB sleeve can be recycled after removal of the brass staples from the carton.</p>

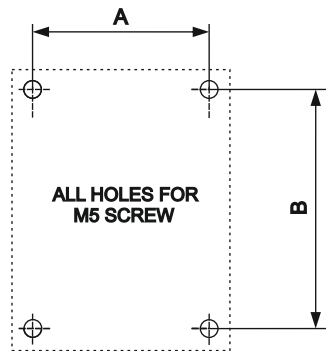


LABEL	MNX 50	MNX 70/80
W1	80	80
W2	89	89
H	109	109
D1	127.7	127.7
D2	156	156
M1	60	60
M2	85	85
T	83	83.5
P	30	30
S	96	96

ALL DIMENSIONS ARE IN mm.

## OVERALL DIMENSIONS

## MOUNTING DIMENSIONS



RATING	DIM. A	DIM. B
MNX 50/70/80	60	85

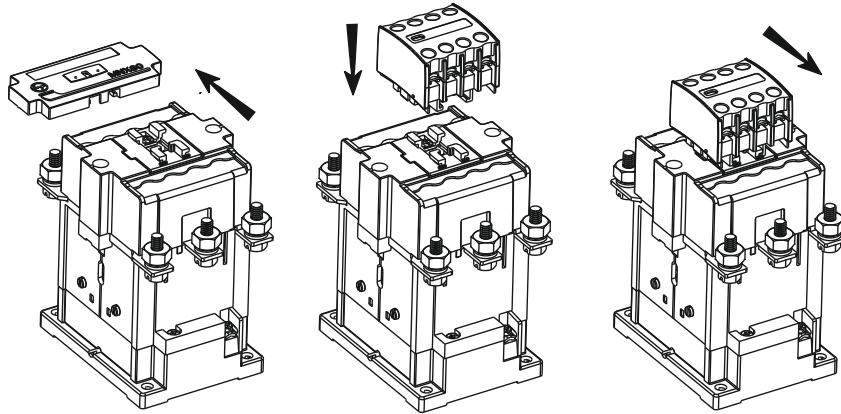
ALL DIMENSIONS ARE IN mm.

## RECOMMENDED TIGHTENING TORQUE

Terminal Description	Screw Size	Recommended Torque (Nm)
Main Pole Terminals-MNX50	M5	2.4
Main Pole Terminals-MNX70, MNX80	M6	4.5
Aux Pole/ Coil/ Add on block Terminals	M3.5	1.1



PRODUCT  
INSTALLATION



1. REMOVE  
TOP COVER

2. MATCH DOTS &  
PLACE ADD-ON  
AS SHOWN

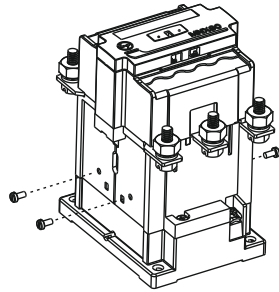
3. PUSH ADD-ON  
TO ENGAGE  
COMPLETELY

**REMOVAL : LIFT LOCK OF ADD ON & FOLLOW THE SEQUENCE  
IN REVERSE ORDER**

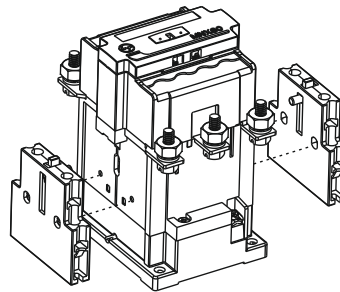


PRODUCT  
INSTALLATION

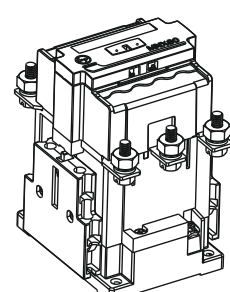
## TOP ADD-ON FITMENT



1. REMOVE EXISTING LABEL AND SCREWS FROM CONTACTOR



2. FOR BOTH SIDE ADD ON BLOCKS, ALIGN THE ACTUATOR OF ADD-ON WITH HOLE ON THE CONTACT BRIDGE OF CONTACTOR.



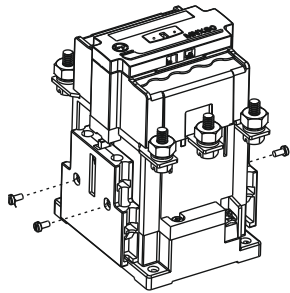
3. FIX THE ADD-ON ON CONTACTOR WITH SCREWS PROVIDED ALONG WITH ADD-ON.

**NOTE :** ENSURE THAT THE ACTUATOR OF THE ADD-ON BLOCKS & THE BRIDGE MOVE FREELY

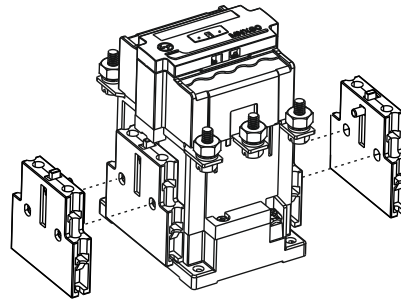


PRODUCT  
INSTALLATION

## SIDE ADD-ON FITMENT



1. REMOVE SCREWS FROM FIRST ADD-ON BLOCK



2. ALIGN THE ACTUATOR OF FIRST & SECOND ADD-ON BLOCKS WITH HOLE ON THE CONTACT BRIDGE OF CONTACTOR. FIX THE ADD-ON BLOCKS ON CONTACTOR WITH SCREWS PROVIDED ALONG WITH SECOND ADD-ON BLOCK.

**NOTE :** ENSURE THAT THE ACTUATOR OF THE ADD-ON BLOCKS & THE BRIDGE MOVE FREELY



PRODUCT  
INSTALLATION

## SECOND SIDE ADD-ON FITMENT



Spares Description	Catalogue No.
Spare Coil-MNX 50/70/80	CS94192* (ADD 4 DIGIT COIL VOLTAGE SUFFIX)
Spare Contacts Kit MNX 50	CS941500000
Spare Contacts Kit MNX 70	CS941510000
Spare Contacts Kit MNX 80	CS941520000

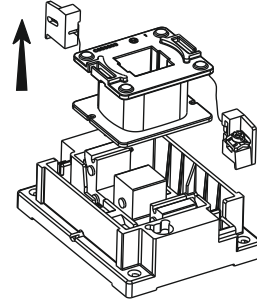
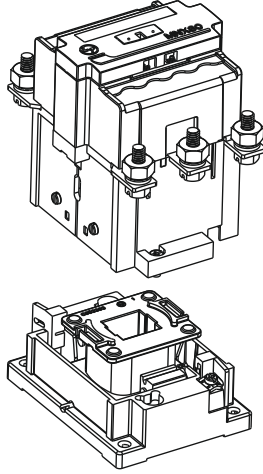
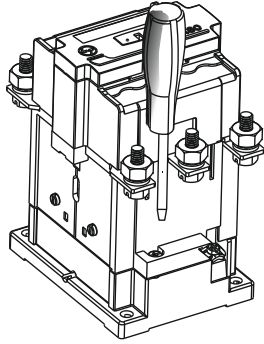
Accessories Description	Catalogue No.	Terminal Markings
Auxiliary Contact Bocks		
Side 1NO+1NC (First Left)	CS942010000	13-14, 21-22
Side 1NO+1NC (First Right)	CS942020000	43-44, 31-32
Side 1NO+1NC (Second Left)	CS942030000	53-54, 61-62
Side 1NO+1NC (Second Right)	CS942040000	73-74, 81-82
Top 4NO - 4 Pole	CS941120000	53-54, 63-64, 73-74, 83-84
Top 3NO+1NC - 4 Pole	CS941130000	53-54, 61-62, 73-74, 83-84
Top 2NO+2NC - 4 Pole	CS941140000	53-54, 61-62, 71-72, 83-84
Top 1NO+3NC - 4 Pole	CS941150000	53-54, 61-62, 71-72, 81-82
Top 4NC - 4 Pole	CS941160000	51-52, 61-62, 71-72, 81-82
Top 2 NO - 2 Pole	CS941170000	53-54, 63-64
Top 1NO+1NC - 2 Pole	CS941180000	53-54, 61-62
Top 2 NC - 2 Pole	CS941190000	51-52, 61-62
Top 1 NO - 2 Pole	CS941200000	53-54
Top 1 NC - 2 Pole	CS941210000	61-62
Mech. Interlock Kit-MCX M3	CS941970000	
Surge Suppressor(24-48V)	CS94163J000	MNX - S33
Surge Suppressor(110-240V)	CS94163B000	
Surge Suppressor(360-415V)	CS94163D000	



1. UNSCREW FRONT HOUSING FROM REAR HOUSING

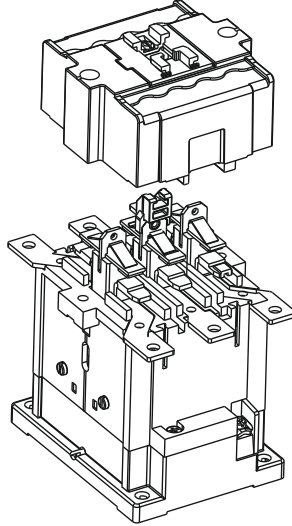
2. REMOVE FRONT HOUSING

3. SLIDE OUT COIL TERMINALS & REMOVE COIL. ASSEMBLE NEW COIL ALONG WITH COIL TERMINALS. REASSEMBLE FRONT HOUSING & TIGHTEN FIXING SCREWS

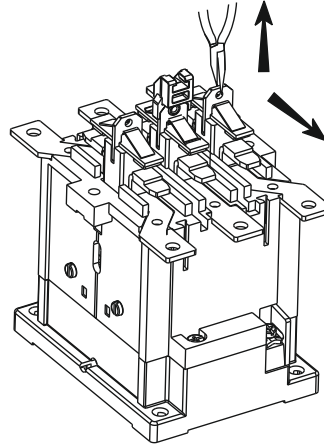


## COIL REPLACEMENT

1. REMOVE TOP ADD-ON THEN UNSCREW COVER FROM FRONT HOUSING

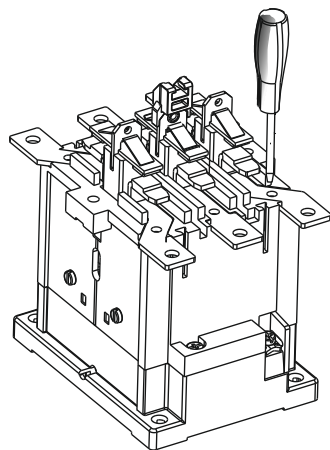


2. TO REMOVE MOVING CONTACT & LEAF SPRING, RAISE HOLDER BY USING PLIER. TAKE OUT MOVING CONTACT & LEAF SPRING FOR REPLACEMENT.

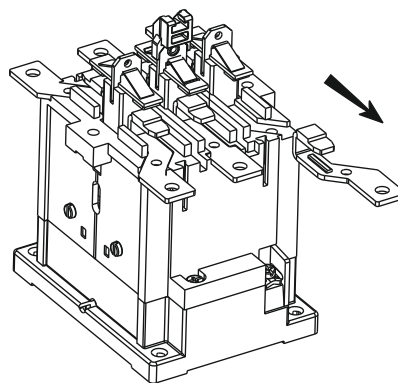


## CONTACT INSPECTION AND REPLACEMENT





1. TO REPLACE FIXED CONTACT, UNSCREW FIXING SCREWS



2. REPLACE FIXED CONTACTS & TIGHTEN THE SCREW. ENSURE PRESENCE OF SPRING & PLAIN WASHER WHILE ASSEMBLING NEW FIXED CONTACTS.



## CONTACT INSPECTION & REPLACEMENT

 <p><b>DISCLAIMER NOTES</b></p>	<p>“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.”</p> <p>“The manufacturer assumes no responsibility for injuries, losses, damages to human beings and/or equipments due to inappropriate application of instructions, provided herein.”</p> <p>“Product development is a continuous process in L&amp;T. The information given in this literature is subject to change. For latest information the customer may contact customer interaction cell”</p>
 <p><b>CUSTOMER CARE</b></p>	<p><b>CUSTOMER INTERACTION CELL (CIC)</b></p> <p>BSNL / MTNL (Toll-Free) : 1800 233 5858  RELIANCE (Toll-Free) : 1800 200 5858  Telephone : 022 6774 5858  email : <a href="mailto:cic@LNTEBG.com">cic@LNTEBG.com</a>  website : <a href="http://www.LNTEBG.com">www.LNTEBG.com</a></p>
 <p><b>COMPANY INFORMATION</b></p>	<p>SP02713</p> <div style="text-align: center;">  <p><b>L&amp;T Electrical &amp; Automation, Electrical Standard Products</b>  L&amp;T Business Park, TC-2, Tower B, 3rd Floor,  Gate No. 5, Saki Vihar Road, Powai  Mumbai - 400 072, INDIA <a href="http://www.Lntebg.com">www.Lntebg.com</a></p> </div>