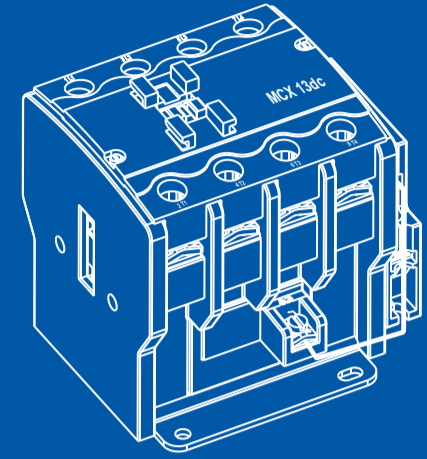


Front Side

297.00

CONTACTOR

MCX 11dc/dc-L/MCX 12dc/dc-L/
MCX 13dc/dc-L



INSTRUCTION MANUAL



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

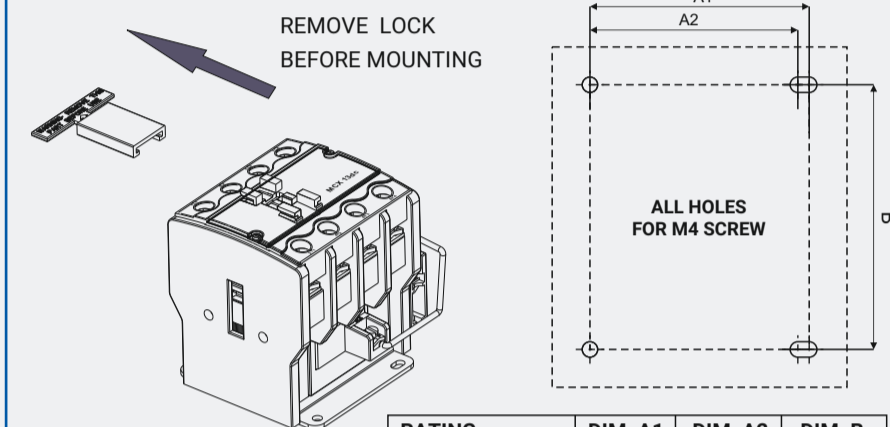


Hazards of electric shock and burning. Installation, Commissioning and Maintenance by qualified personnel only. Always use an appropriate voltage detection device to confirm the absence of voltage. Disconnect power and isolate before proceeding with any work on this equipment. Use according to operating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



Packaging material (carton & padding) can be recycled. Poly bags can be recycled separately.

MOUNTING DIMENSIONS

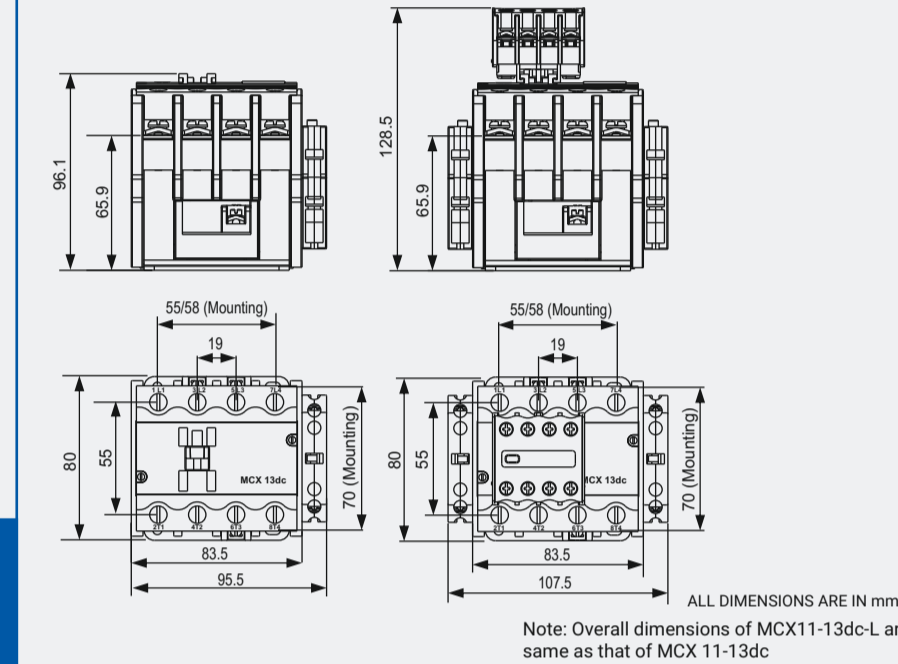


RATING	DIM. A1	DIM. A2	DIM. B
MCX11/12/13dc	55	58	70
MCX11/12/13dc-L			

RECOMMENDED TIGHTENING TORQUE

Terminal Description	Screw Size	Recommended Torque (Nm)
Main Pole Terminals	M5	2.4

OVERALL DIMENSIONS



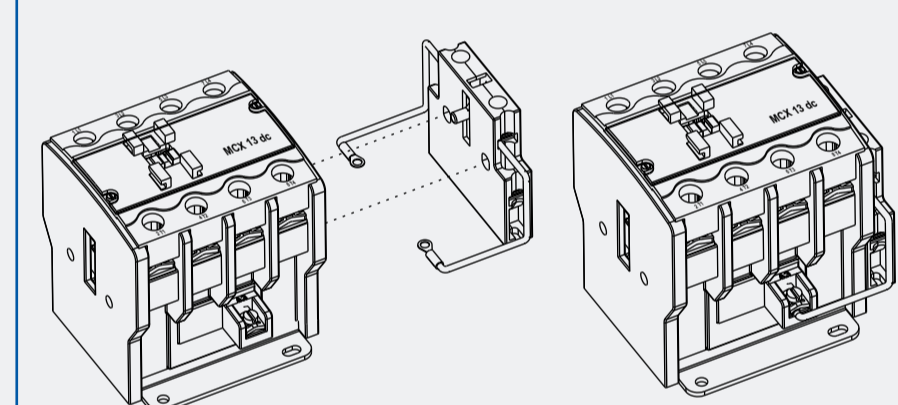
Note: Overall dimensions of MCX11-13dc-L are same as that of MCX 11-13dc.

ACCESSORIES AND SPARES

Accessories Description	Catalogue No.	Terminal Markings
Auxiliary Contact Blocks		
Side 1NO+1NC (Left) For MCX11-13dc	CS942010000	13-14, 21-22
Side 1NO+1NC (Right) For MCX11-13dc-L	CS942020000	43-44, 31-32
Delayed NC (Right) For MCX11-13dc	CS910190000	43-44, 25-26
Delayed NC (Left) For MCX11-13dc-L	CS943100000	13-14, 15-16
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 M2	ST505400000	

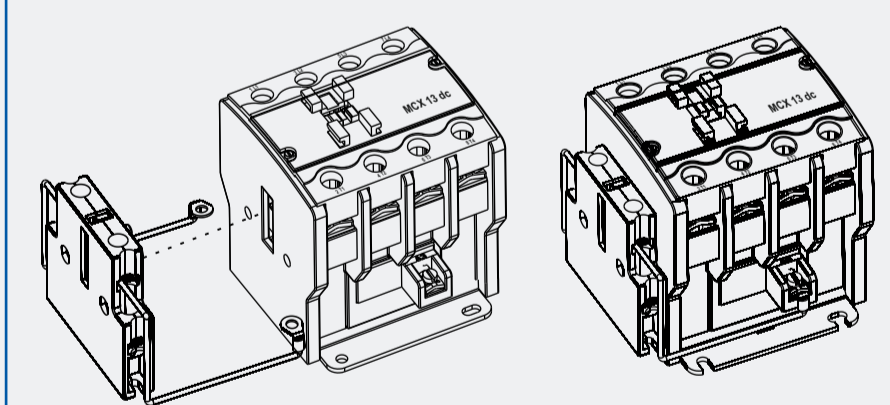
Spares Description	Catalogue No.
Spare Coil-MCX 11/12/13dc	CS90559* (ADD 4 DIGIT COIL VOLTAGE SUFFIX)
Spare Contacts Kit MCX 11dc/dc-L	CS940770000
Spare Contacts Kit MCX 12dc/dc-L	CS940780000
Spare Contacts Kit MCX 13dc/dc-L	CS903070000

MOUNTING MCX A4-D ADD-ON BLOCK (FOR MCX 11-13dc)



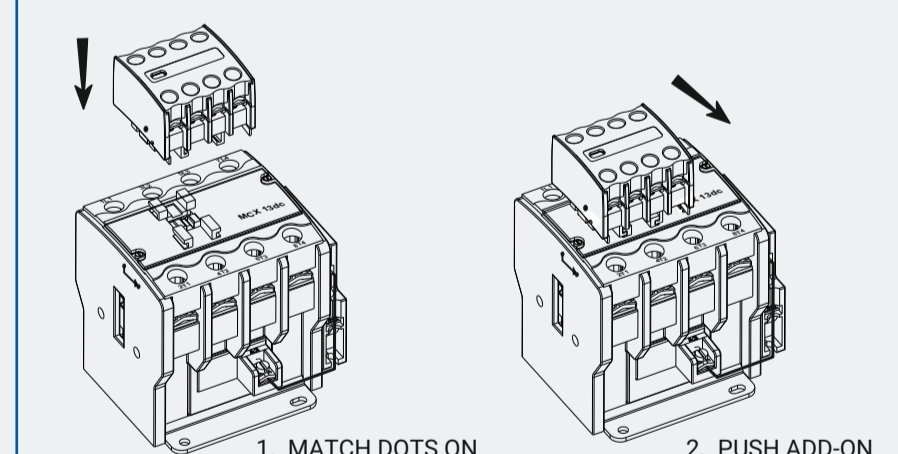
- ALIGN ACTUATOR OF ADD-ON BLOCK AND CONTACTOR BRIDGE. FIX ADD-ON BLOCK WITH SCREWS. ENSURE FREE MOVEMENT OF BRIDGE.
- CONNECT BOTH WIRE ASSEMBLIES WITH RING LUG OF ADD-ON BLOCK TO COIL TERMINAL A2 AND A3.

MOUNTING (FOR MCX 11-13dc-L)



- ALIGN ACTUATOR OF ADD-ON BLOCK AND CONTACTOR BRIDGE. FIX ADD-ON BLOCK WITH SCREWS. ENSURE FREE MOVEMENT OF BRIDGE.
- CONNECT BOTH WIRE ASSEMBLIES WITH RING LUG OF ADD-ON BLOCK TO COIL TERMINAL A2 AND A3.

TOP ADD-ON FITMENT



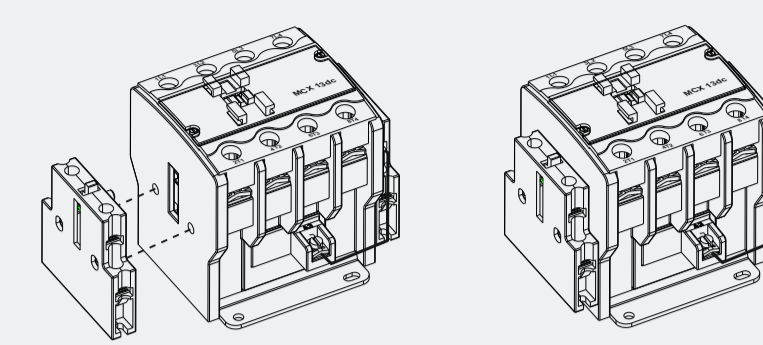
- MATCH DOTS ON ADD-ON AND SIDE PRODUCT LABEL. PLACE ADD-ON AS SHOWN
 - PUSH ADD-ON TO ENGAGE COMPLETELY
- REMOVAL: LIFT LOCK OF ADD-ON AND FOLLOW THE SEQUENCE IN REVERSE ORDER

Back Side

297.0

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

SIDE ADD-ON FITMENT



- ALIGN THE ACTUATOR OF ADD-ON WITH SLOT ON THE CONTACT BRIDGE OF CONTACTOR.
- FIX THE ADD-ON ON CONTACTOR WITH SCREWS PROVIDED ALONG WITH ADD-ON.

NOTE: 1. ONLY LEFT SIDE ADD-ON BLOCK CAN BE MOUNTED ON MCX11-13dc. ONLY RIGHT SIDE ADD-ON BLOCK CAN BE MOUNTED ON MCX 11-13dc-L. 2. ENSURE THAT THE ACTUATOR OF THE ADD-ON BLOCK & THE BRIDGE MOVE FREELY

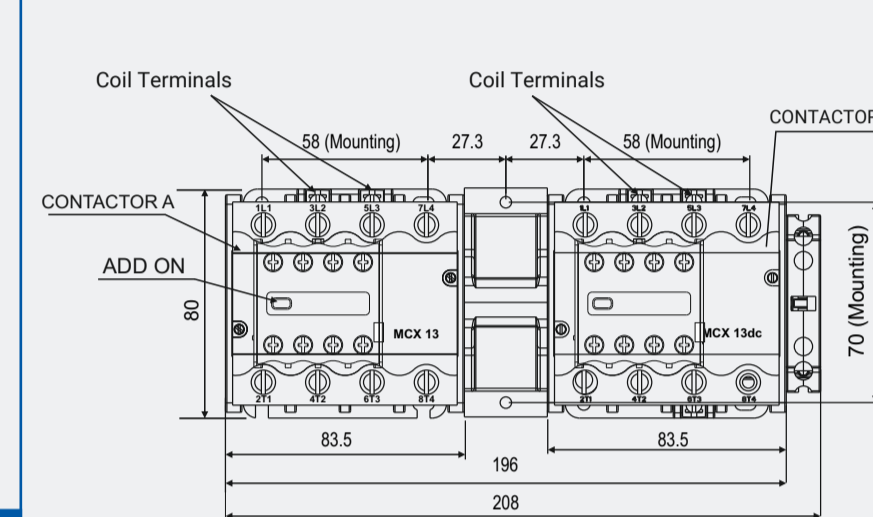
MIL KIT MOUNTING

MECHANICAL INTERLOCK KIT MOUNTING PROCEDURE:

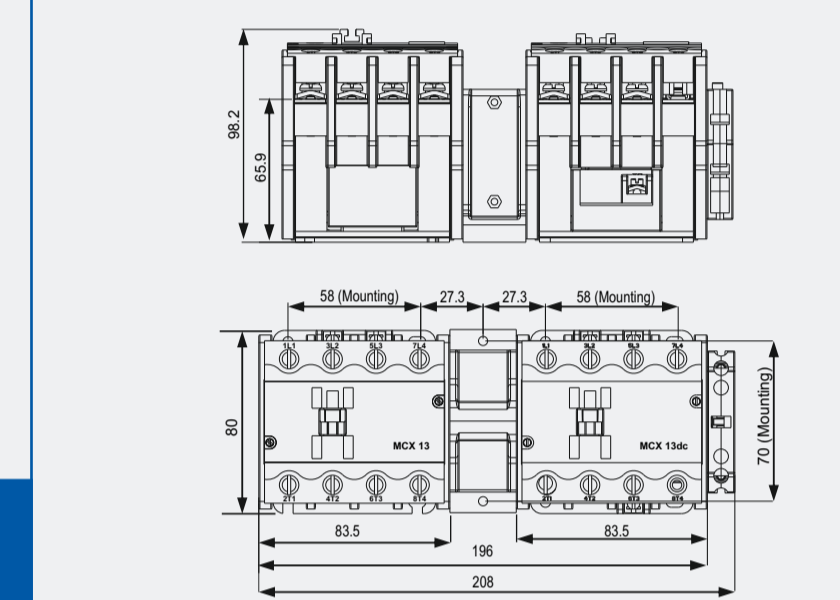
- MOUNT THE CONTACTORS AND MIL KIT ON THE MOUNTING PLATE IN THE FOLLOWING MANNER:
 - FIRST CONTACTOR (CONTACTOR A)
 - SIDE MOUNTED MIL KIT.
 - SECOND CONTACTOR (CONTACTOR B)
- ENSURE PROPER ORIENTATION OF THE CONTACTORS, ADD-ON BLOCKS. ENSURE THERE IS NO GAP BETWEEN THE CONTACTOR FRONT HOUSING AND MIL KIT HOUSING.
 - IN CASE OF MCX11-13dc-L (I.E. CONTACTOR A) SHOULD ALWAYS BE MOUNTED ON THE LEFT SIDE AND MCX11-13dc (I.E. CONTACTOR B) SHOULD BE MOUNTED ON THE RIGHT SIDE.
- ENSURE PROPER FUNCTIONING OF COMPLETE MIL ASSEMBLY BY PRESSING THE BRIDGE OF CONTACTOR A AND B ALTERNATELY.

MIL KIT COMBINATIONS	
LEFT	RIGHT
MCX 11-13dc-L	MCX 11-13dc
MCX 11-13	MCX 11-13dc
MCX 11-13dc-L	MCX 11-13

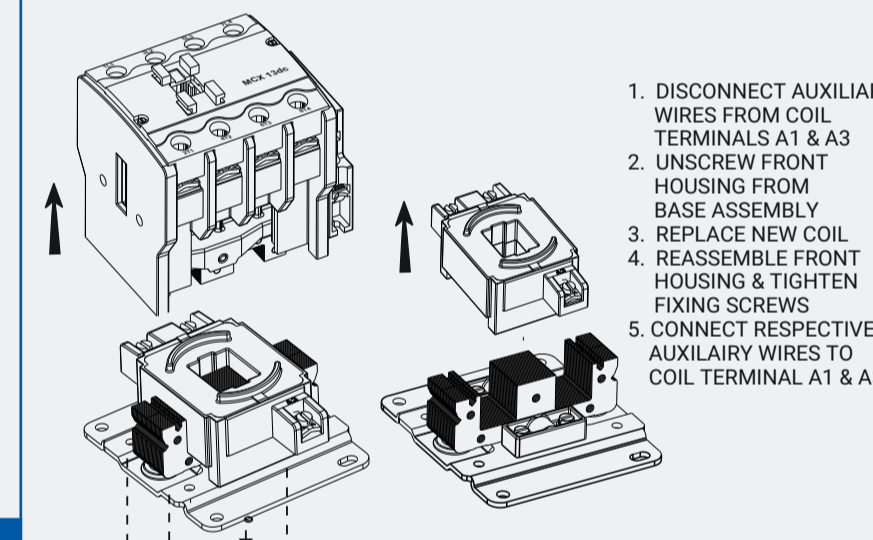
MIL KIT MOUNTING



MECHANICAL INTERLOCK KIT OVERALL DIMENSIONS



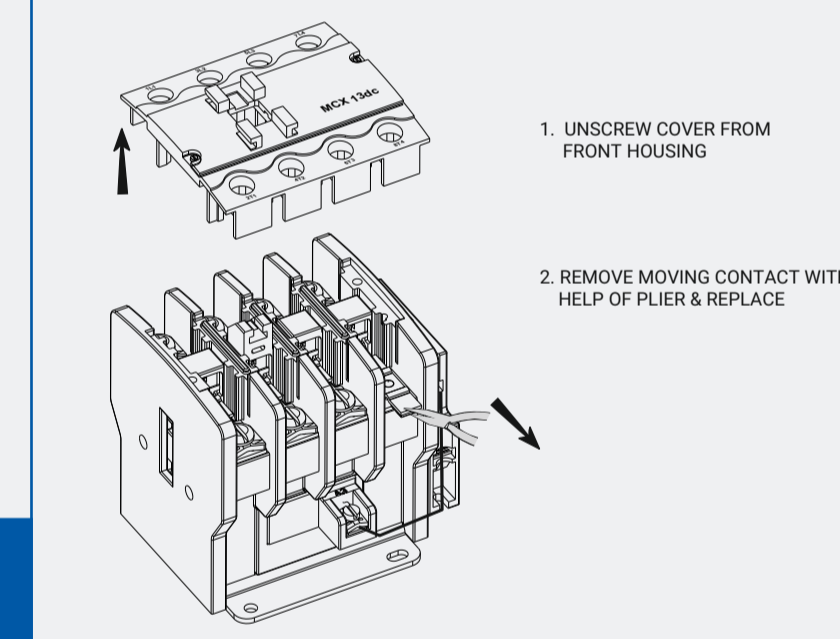
COIL REPLACEMENT



- DISCONNECT AUXILIARY WIRES FROM COIL TERMINALS A1 & A3
- UNSCREW FRONT HOUSING FROM BASE ASSEMBLY
- REPLACE NEW COIL
- REASSEMBLE FRONT HOUSING & TIGHTEN FIXING SCREWS
- CONNECT RESPECTIVE AUXILIARY WIRES TO COIL TERMINAL A1 & A3

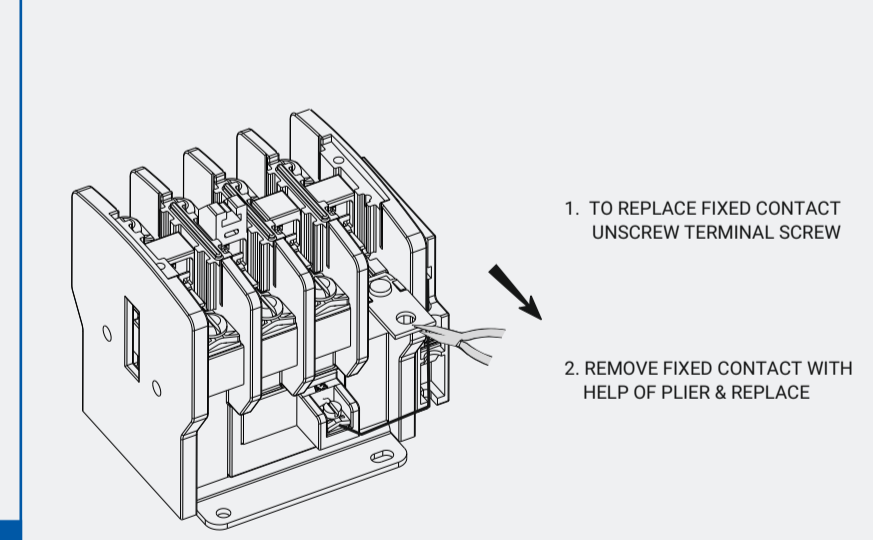
NOTE: ENSURE THAT THE COIL IS ASSEMBLED SUCH THAT TERMINALS 'A1' AND 'A2' ARE ON THE TOP SIDE OF THE CONTACTOR.

CONTACT INSPECTION AND REPLACEMENT



- UNSCREW COVER FROM FRONT HOUSING
- REMOVE MOVING CONTACT WITH HELP OF PLIER & REPLACE

CONTACT INSPECTION AND REPLACEMENT



- TO REPLACE FIXED CONTACT UNSCREW TERMINAL SCREW
- REMOVE FIXED CONTACT WITH HELP OF PLIER & REPLACE

"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

SP02345

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 :	
SCALE: 1:1	
OFN/RLM No.:	
SOFTWARE: Coreldraw	
MODEL :	
PROCESS SHEET:	DEPT: 300202316
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

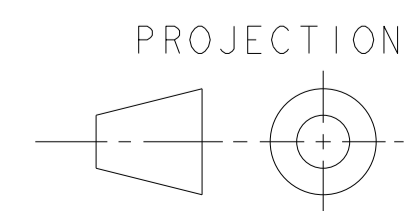
L&T Electrical & Automation
 (A Unit of Schneider Electric India Private Limited)

Product Insert
 CONTACTOR (MCX 11dc/dc-L/MCX 12dc/dc-L/ MCX 13dc/dc-L)

SP02345

SHEET | OF |

REVISIONS



SHEET

OF