Product Change Notification (PCN)

This notice is to inform you about a change to one or more products

PCN number:	PCN202104-X0
Subject:	XMC0 3-pole contactor material change
To:	All
Issue Date:	April 12, 2021
Affected Part Number(s):	XMC0-**3*

Reason for Change:

To improve product reliability and increase glow wire ratings to satisfy the various 60335 standards.

Change Description (comparisons on following pages):

ZETTLER is eliminating the original thermo plastic option for all remaining 3-pole XMC0 contactors (and consequently dropping the 'BB' characters in the respective ZETTLER part numbers. All existing and new customers will be transitioned to the thermoset material which has already been the only option for high amperage (75-90A FLA) and 4-pole contactor models.

To adapt to the thermoset material, the dimensions of the plastic body require modification. The mechanical interface between corresponding auxiliary parts (auxiliary block and microswitch) and the baseplate have also been optimized. The changes can be summarized as follows:

a) The top cover is changed from clip-on to screws allowing easy disassembly and modification.

b) The electromagnetic system is changed to a closed construction to prevent foreign materials from contaminating the polarized surface of the internal iron core.

c) The interface between the contactor and baseplate changed from clip-on to screws allowing for disassembly and rotation as needed.

d) Mechanical dimensions have been adjusted according to the characteristics of thermoset material.

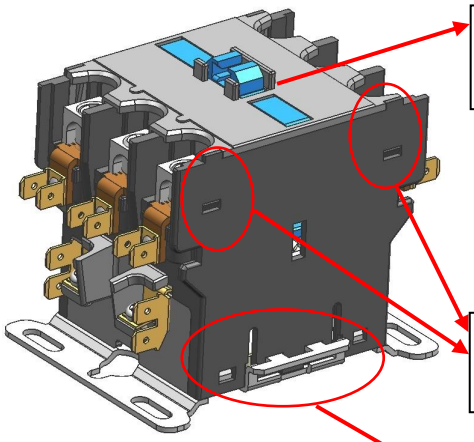
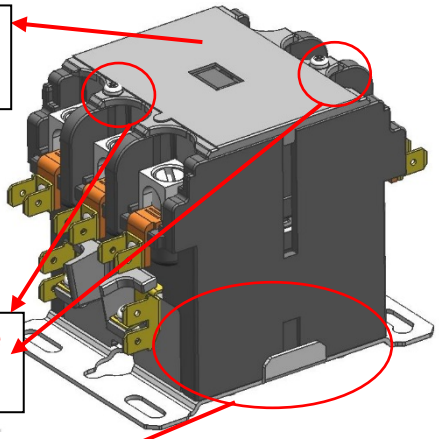
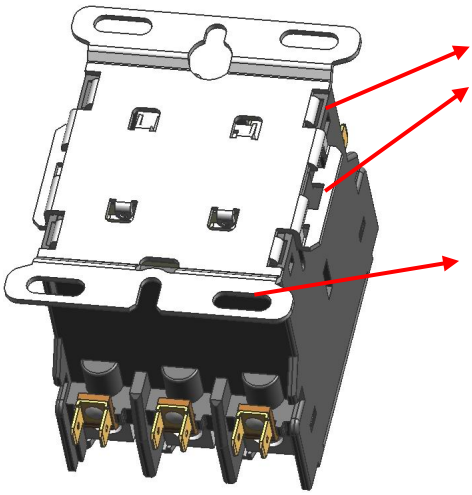
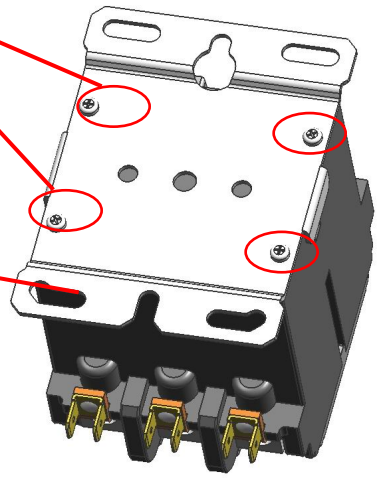
e) The interface between the contactor and matching accessories (auxiliary contacts and microswitches) have been modified and now allow disassembly without a tool.

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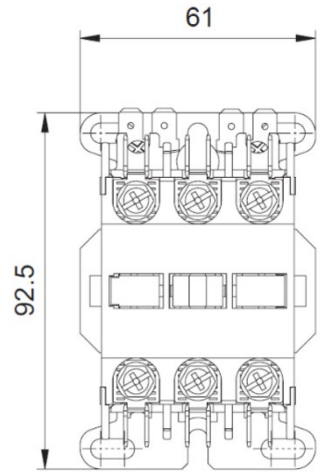
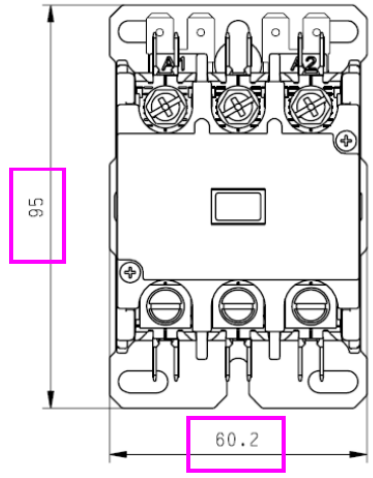
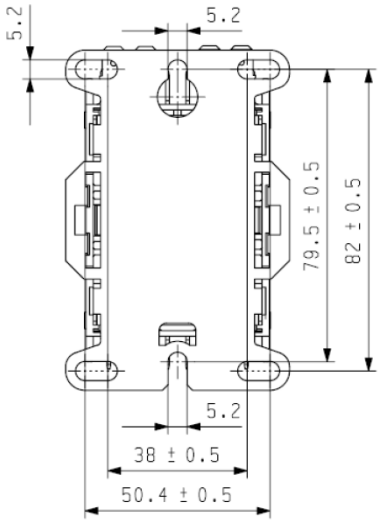
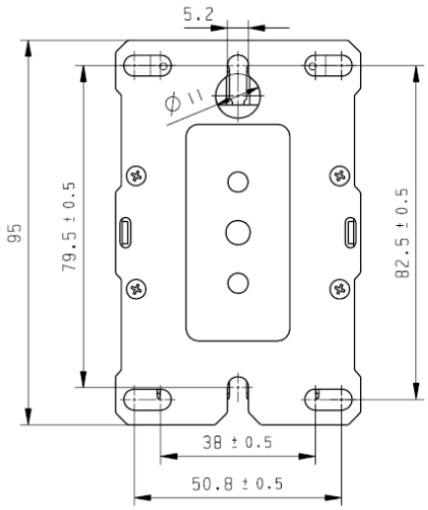
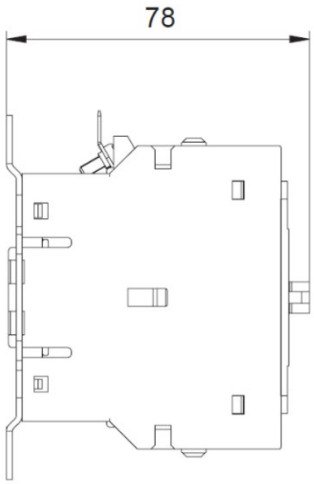
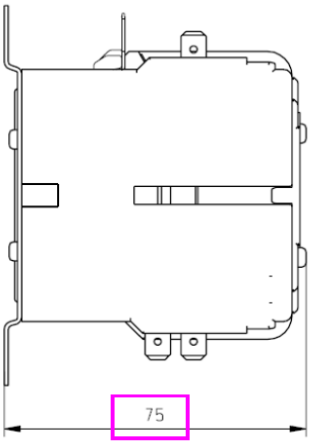
This notice is to inform you about a change to one or more products

Original Thermo Plastic 'BB' option	Thermoset Replacement
	
The top cover will now be flat with more room for the marking.	
The top cover will be changed from buckle locking to screw locking.	
The internal electromagnetic (iron) core is better protected from foreign materials.	
	
The base plate is changed from buckle locking to screw locking (4 screws).	
The mounting holes have been adjusted for better compatibility with other contactors suppliers.	

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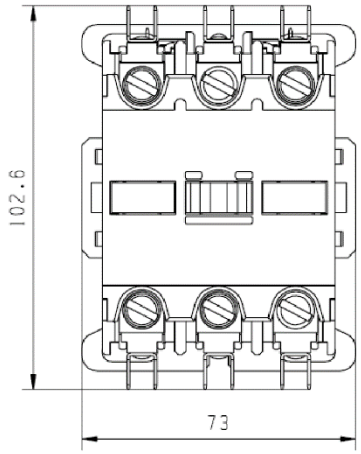
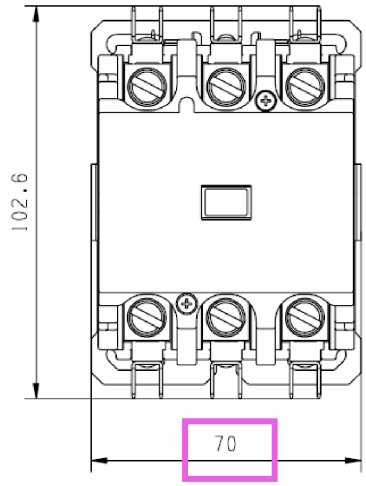
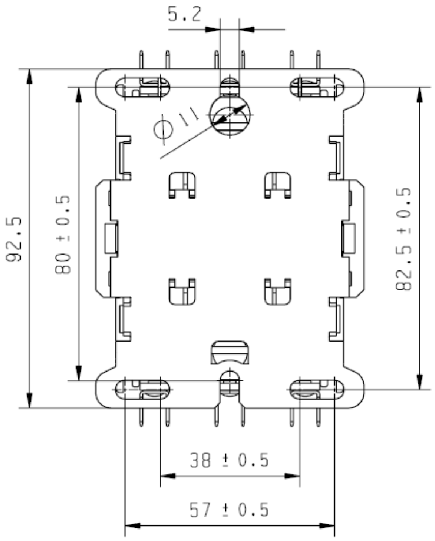
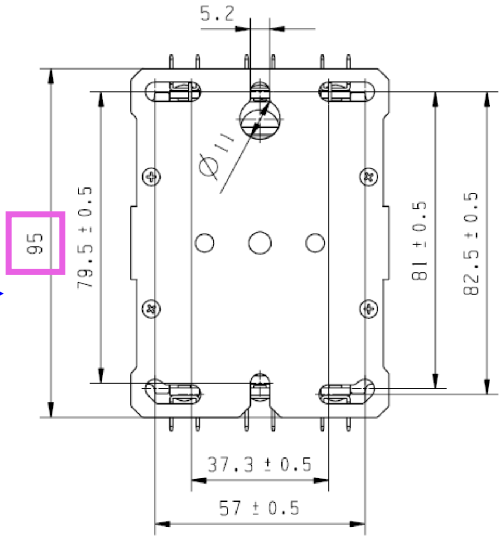
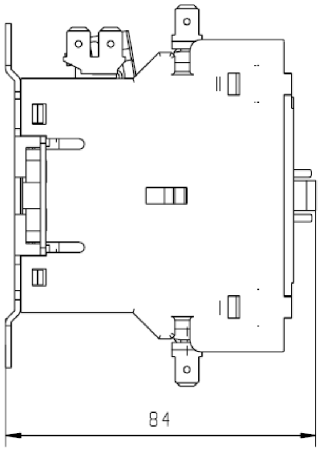
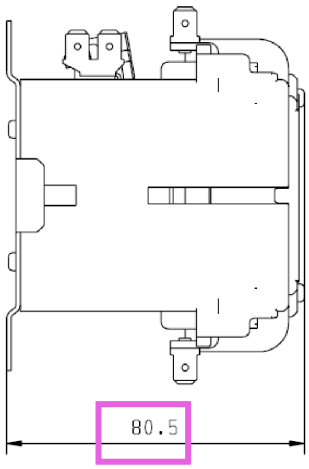
Original Thermo Plastic 'BB' option	Thermoset Replacement
	Base plate outer dimension and contactor height changes for **XMC0-253** **XMC0-323** **XMC0-403** 
	
	

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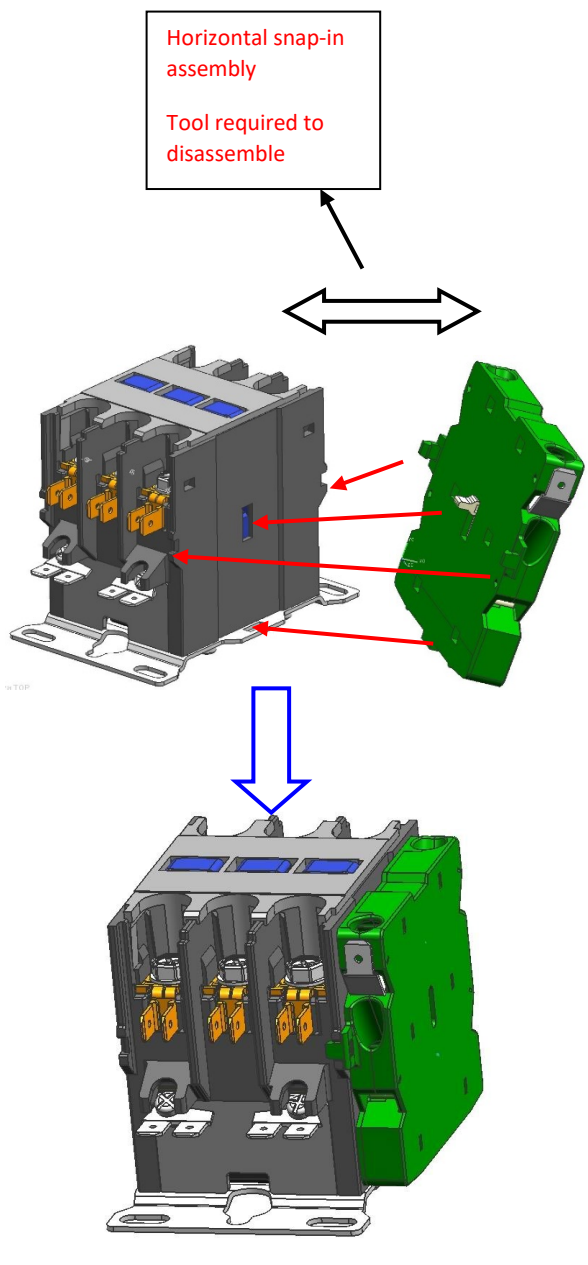
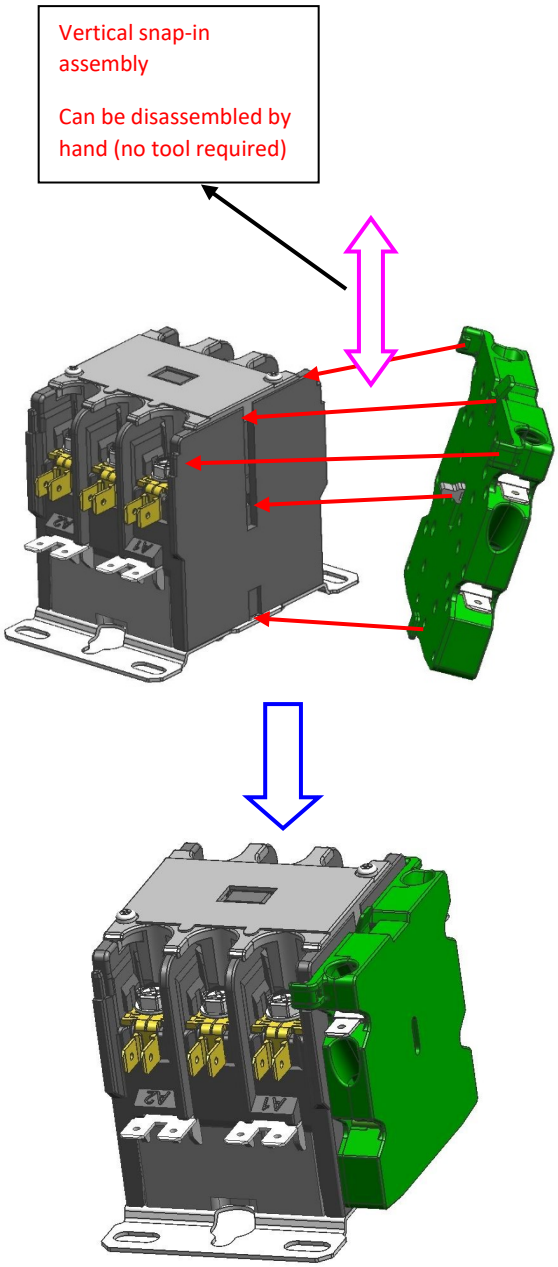
This notice is to inform you about a change to one or more products

Original Thermo Plastic 'BB' option	Thermoset Replacement
	Base plate outer dimension and contactor height changes for **XMC0-503** **XMC0-633** 
	
	

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Original Thermo Plastic 'BB' option	Thermoset Replacement
	

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Impact (form, fit, function, quality, or reliability):

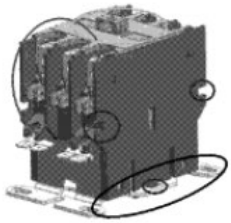
Mechanical dimensions and accessories have changed but the design and performance of current-carrying parts, spring and coil parameters are not impacted.

The thermoset is considered superior in quality and has demonstrated greater reliability in the field.

Qualification status:

The thermoset models of XMC0 and accessories have been approved by UL and shipping since Oct. 2014 and are referred to as the 'ALTERNATE CONSTRUCTION' as shown below.

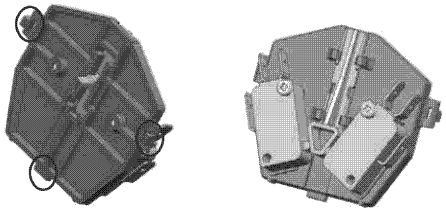
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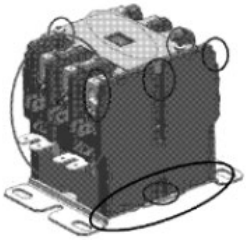
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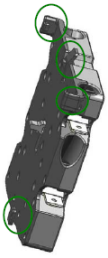
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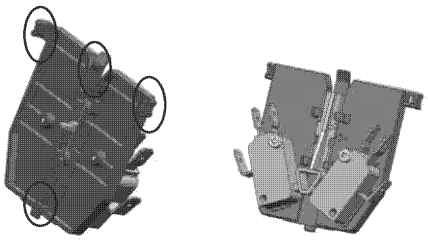
ALTERNATE CONSTRUCTION



ALTERNATE CONSTRUCTION



ALTERNATE CONSTRUCTION



Sample availability date:	Upon request
Effective date:	By end of 2021

Resources:

- 2D drawings
- STP (3D) files
- Installation Instructions for accessories
- Glow wire test report