

PRODUCT CHANGE NOTIFICATION 0002

Issue Date: 02/28/2022

DESCRIPTION OF CHANGE:

TCI will replace the filter reactor for V1K dV/dt output filters from 2-12 amps with a new more robust reactor design. The change applies to all standard designs. Please reference *Part Numbers Affected* and *Product Identification* below.

PRODUCT CATEGORY:

2-12 amp standard V1K Output dV/dt Filter Reactors.

PART NUMBERS / SERIES / FAMILIES AFFECTED:

Amps	Open V1K Part Reference	Old V1K Kit Reactor	New V1K Kit Reactor
2	V1K2A00	KDRA3R	KDRAA3R2
3	V1K3A00	KDRA4R	KDRAA4R2
4	V1K4A00	KDRA5R	KDRAA5R2
6	V1K6A00	KDRA6R	KDRAA6R2
8	V1K8A00	KDRA7R	KDRAA7R2
12	V1K12A00	KDRA8R	KDRAA8R2

CLASSIFICATION OF CHANGE:

Replacement with improved technical behavior and performance.

REASON FOR CHANGE:

New filter reactor design with tighter tolerance and smaller footprint.

EXPECTED INFLUENCE ON QUALITY/REALIABILITY/PERFORMANCE:

No change to the V1K's performance. The new reactor design has a tighter tolerance (+/-5%) for inductance. The new reactor includes a more robust terminal block compared to the older reactor design. The new reactor design can continue to be used with the current V1K PCB part number 25009. The new AA frame reactor is 50°C ambient rated compared to the old A frame reactor which was rated at 40°C ambient.

TIME SCHEDULE:

Change will occur starting September 1st, 2022, or subject to stock availability of previous design.

PRODUCT IDENTIFICATION:

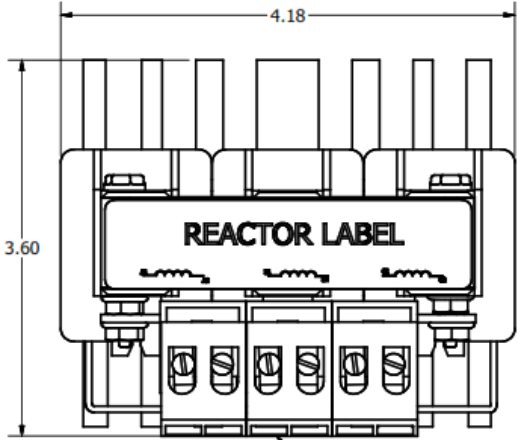
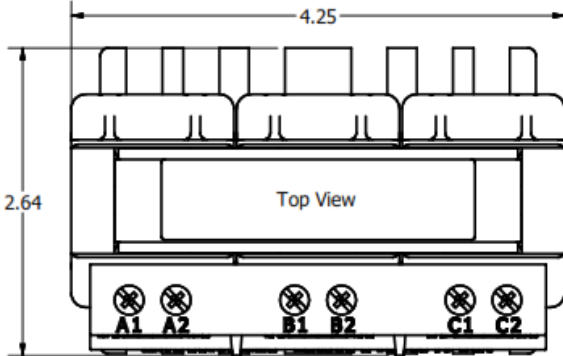
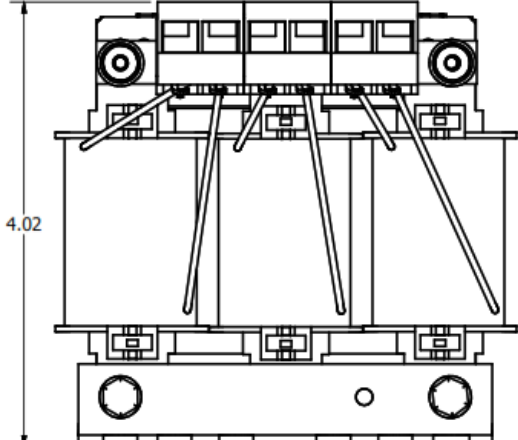
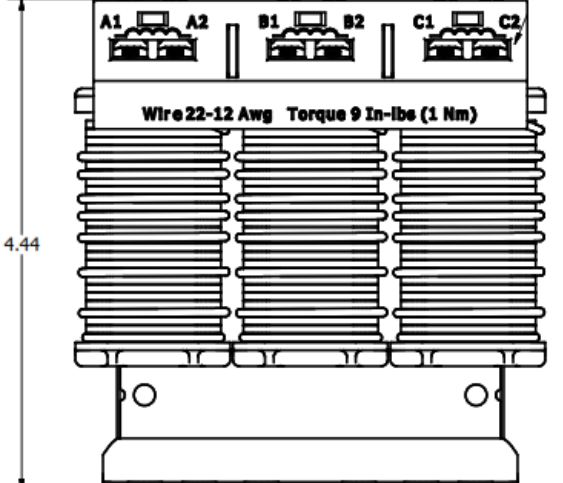
Please switch over to the part numbers as described in the *Part Numbers Affected* section labeled “New KDR Reactor”.

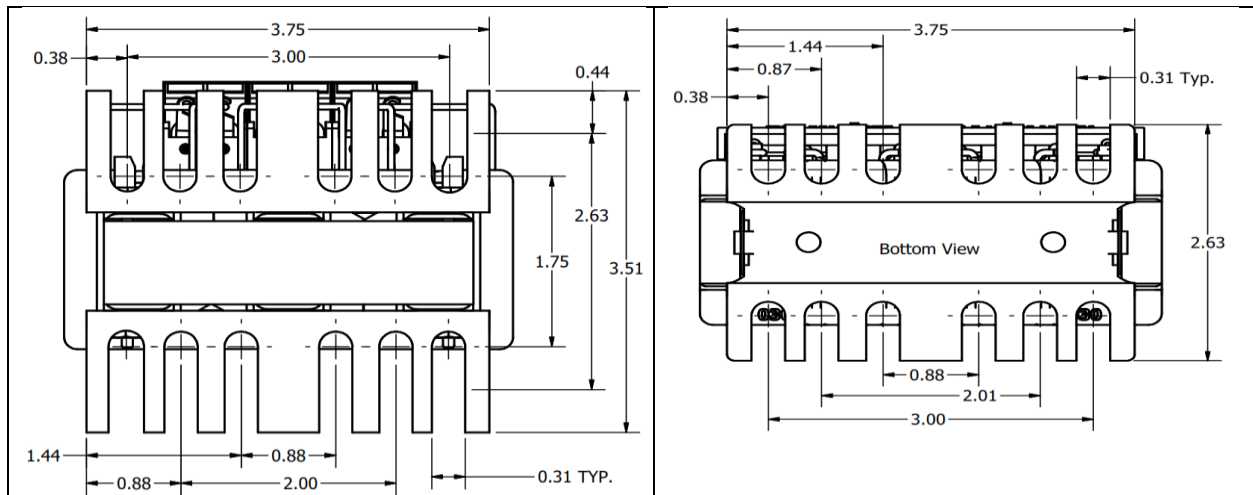
Reactor Comparison:

The change results in a smaller mounting dimension (W, D) of the reactor footprint in the affected product range (2-12 Amp).

Old Dimensions (H,W,D) 4.02”, 4.18”, 3.60”

New Dimensions (H,W,D) 4.44”, 4.25”, 2.64”

Old V1K Kit Reactor (2-12 Amp)	New V1K Kit Reactor (2-12 Amp)
	
	



This PCN is considered approved, without further notification, unless we receive specific customer concerns, to be communicated in writing, prior to August 1st, 2022. Returns based on the prior design will not be accepted.

Josh Haase

ISSUED BY: Josh Haase, TCI Product Manager

For further information, please contact your TCI Regional Sales Manager or Marketing Team at marketing@transcoil.com