

## PRODUCT CHANGE NOTIFICATION 0020

**Issue Date:** 03/13/2025

### DESCRIPTION OF CHANGE:

TCI will replace all 3-phase Vishay dry type screw terminal capacitors to Vishay dry type spring clamp capacitors. The change applies to all designs both standard product and in component kit form. The rate at which the capacitors will change over is subject to stock availability of the old TCI capacitor parts. This notification highlights filter component applications. Please reference *Part Numbers Affected* and *Product Identification* below.

### PRODUCT CATEGORY:

HGP KIT (40HP and above)

### PART NUMBERS / SERIES / FAMILIES AFFECTED:

Standard parts are listed in this section below. Custom HGP kit filters will also be affected. For more information on a specific custom part, please contact your TCI representative or [marketing@transcoil.com](mailto:marketing@transcoil.com) with your specific part number.

#### Loose Capacitors

New TCI part	Old TCI part	Description
32812	28564	Cap, 5kVAR, 480V, 60Hz, Dry, Spring Clamp
32813	28565	Cap, 10kVAR, 480V, 60Hz, Dry, Spring Clamp
32814	28566	Cap, 15kVAR, 480V, 60Hz, Dry, Spring Clamp
32815	28541	Cap, 20kVAR, 480V, 60Hz, Dry, Spring Clamp

#### HGP Kit Part Numbers

480V, 60Hz				
HGP0040AW8__	HGP0100AW8__	HGP0250AW8__	HGP0450AW8__	HGP0800AW8__
HGP0050AW8__	HGP0125AW8__	HGP0300AW8__	HGP0500AW8__	HGP0900AW8__
HGP0060AW8__	HGP0150AW8__	HGP0350AW8__	HGP0600AW8__	HGP1000AW8__
HGP0075AW8__	HGP0200AW8__	HGP0400AW8__	HGP0700AW8__	

### CLASSIFICATION OF CHANGE:

Replacement with same performance

### REASON FOR CHANGE:

Vendor supply chain issues and capacitor terminal block improvement.

---

#### **EXPECTED INFLUENCE ON QUALITY/REALIABILITY/PERFORMANCE:**

The new Vishay capacitors have a spring clamp terminal block rather than older screw type terminals.

**The new capacitor bleeder resistors must be inserted into the capacitor upon inspection.**

**Reference DWG 32812 through 32815 of all new capacitor drawings with instructions.** The bleeder resistor instructions will also be put into the new Installation Operation and Maintenance Manuals. There will be no change to quality or performance.

#### **TIME SCHEDULE:**

Changes will occur starting on shipments immediately, or subject to stock availability of previous capacitors.

#### **PRODUCT IDENTIFICATION:**

Loose capacitor part numbers will transition from old part numbers to new part numbers as defined in section PART NUMBERS / SERIES / FAMILIES AFFECTED "Loose Capacitors".

HGP kit part numbers are not changing.

#### **Capacitor Bracket:**

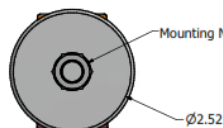
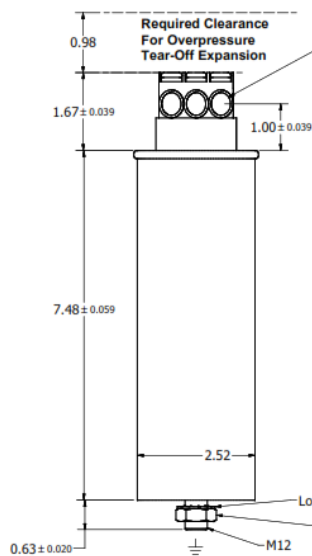
The capacitor dimensions are the same so the bracket for mounting will be unchanged.

Always check <https://transcoil.com/products/kits-page/> for the most up to date filter kit details.

#### **Capacitor Comparison:**

kVAR	New TCI part	Dimensions	Old TCI part	Dimensions
5	32812	Height: 9.78", Dia 2.52"	28564	Height: 9.51", Dia 2.52"
10	32813	Height: 9.74", Dia 3.32"	28565	Height: 9.11", Dia 3.32"
15	32814	Height: 9.74", Dia 3.32"	28566	Height: 9.11", Dia 3.32"
20	32815	Height: 12.69", Dia 3.32"	28541	Height: 12.06", Dia 3.32"

Capacitor, 5kVar, 480V, 60Hz  
Dry Version, Spring Clamp, Vishay.  
3 x 19.2uF Delta Connection  
Approx Weight: 1.32 LBS

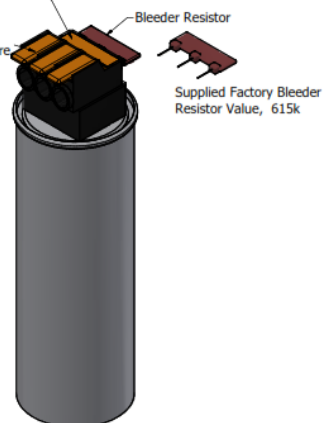


Wire Range: 14 AWG To 4 AWG  
Strip Length: 0.71 IN.  
Wire Insulation Insertion Depth: 0.315 IN.  
Maximum Ferrule Dimensions: Rectangular 0.299 IN Wide  
By 0.236 IN Thick, Long Dimension Horizontal.

Open Lever to Insert Wire  
Release or Close Lever After Wire Is Inserted to Clamp Wire.  
Lever Is Designed for at Least 10 Operating Cycles.  
Continuous Use Can Result in Excessive Wear.

**Warning: Bleeder Resistor Must Be Installed  
In Every Capacitor  
Capacitor Voltage Will Not Discharge After  
Switching Power Off Without Bleeder Resistor Installed.**

Press Orange Plate Marked "PUSH" To Insert Resistor  
Leads Into Capacitor Terminal Block.  
Body Of Resistor Will Be Flush With Terminal Block.



**Warning** After switching off the power, always allow 5 minutes for  
the capacitors in the filter and in the drive to  
discharge before working on the filter, the drive, the  
motor, or the connecting wiring. It is a good idea to check  
with a voltmeter to make sure that all sources of power  
have been disconnected and that all capacitors have  
discharged before beginning work.

Material(s) Shall be RoHS Compliant  
Material(s) shall meet REACH requirements  
Dimensions are in inches unless otherwise specified.

DATE	12/19/24	DSW	W122000011	Grant Drive
XX - 06	12/19/24			Georgetown, NE 68603
XXX - 01				(P. 3024) Alliant Inc.
REV	1.13			Cap, 5kVar, 480, 60Hz
				Dry, Spring Clamp, Vishay
				32812
				1001-101

Figure 1: New 5 kVAR Spring Clamp

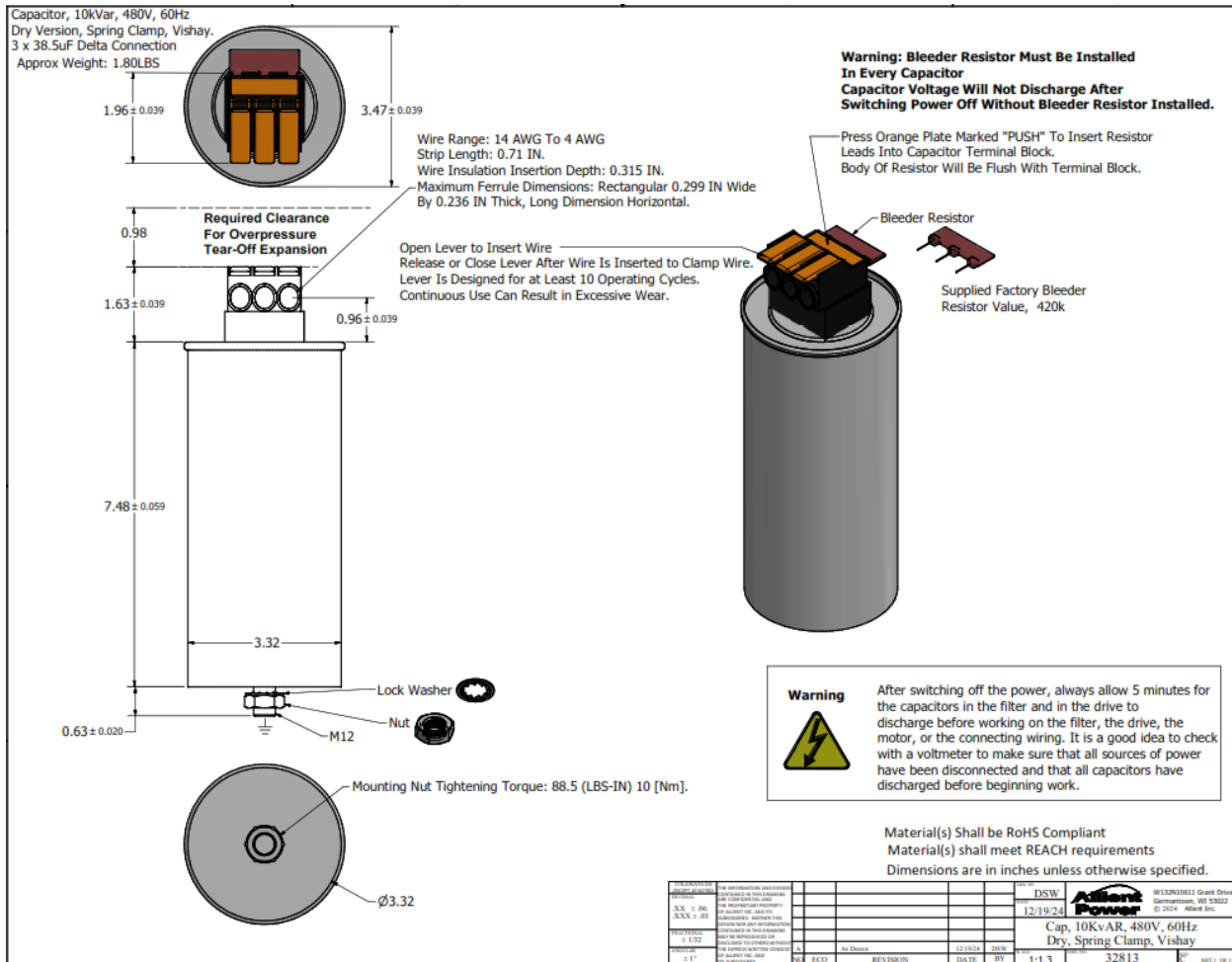


Figure 2: New 10 kVAR Spring Clamp

60V, 60Hz  
 Clamp, Vishay.  
 Connection  
 55 LBS

1.96 ± 0.039  
 3.47 ± 0.039  
 Strip Length: 0.10  
 Wire Insulation  
 Maximum Ferrule  
 By 0.236 IN THICK

0.98  
**Required Clearance  
 For Overpressure  
 Tear-Off Expansion**  
 1.63 ± 0.039  
 0.96 ± 0.039  
 Open  
 Release  
 Lever  
 Contin

7.48 ± 0.059  
 3.32  
 Lock Washer  
 Nut  
 M12  
 0.63 ± 0.020  
 Mounting Nut Tighten  
 Ø3.32

THE INFORMATION AND DATA CONTAINED HEREIN IS UNCLASSIFIED AND IS NOT TO BE RELEASED TO THE PUBLIC WITHOUT THE WRITTEN AUTHORIZATION OF THE NATIONAL ARCHIVES AND RECORDS ADMINISTRATION.		DSW 12/19/24		W15N3010611 Grant Drive Germantown, WI 53032 © 2024 Allent Inc.	
Cap, 15kVar, 480, 60Hz Dry, Spring Clamp, Vishay		32814		100%	

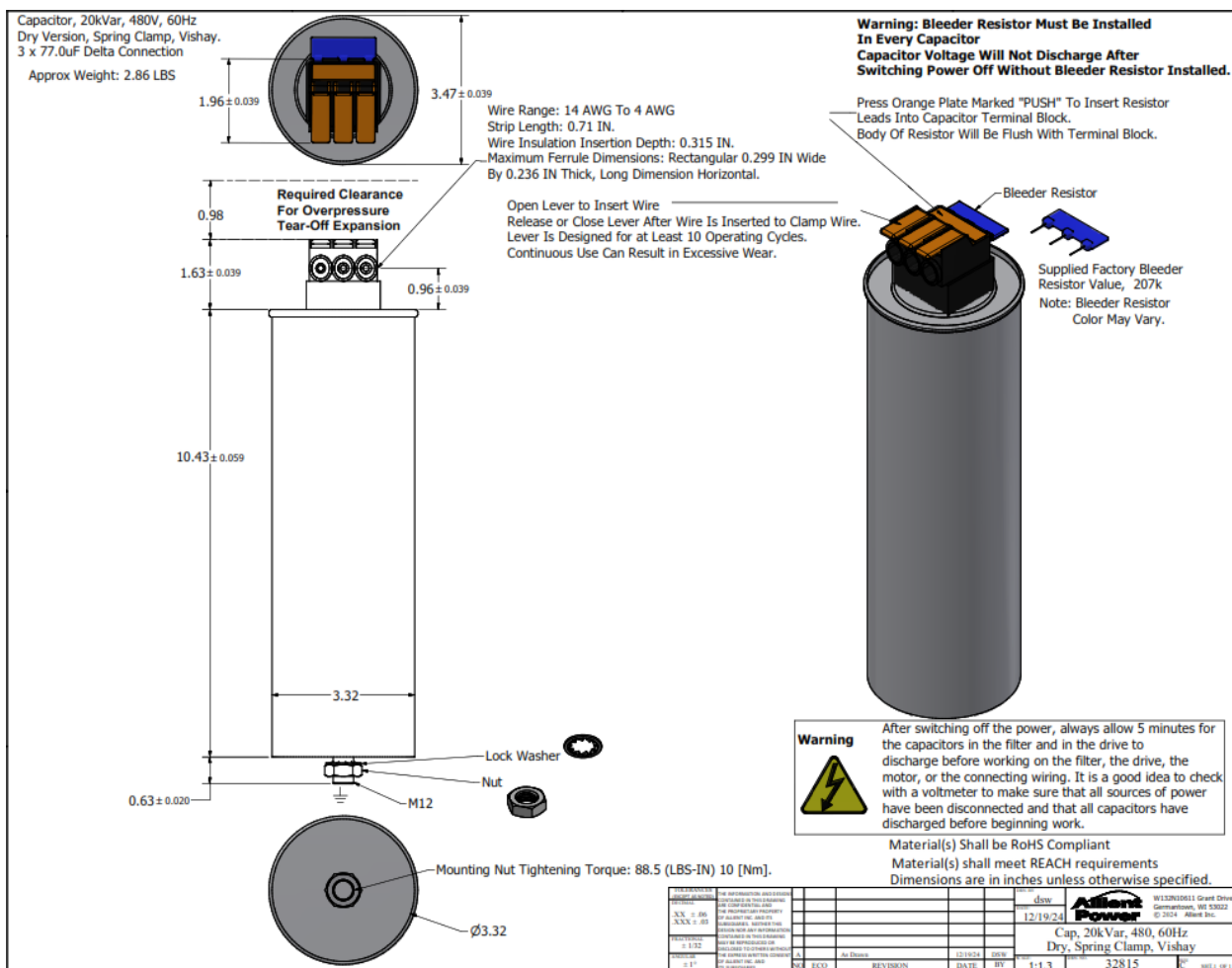


Figure 4: New 20 kVAR Spring Clamp

This PCN is considered approved, without further notification. 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](mailto:marketing@transcoil.com)