CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

Engineering Change Notice (ECN)

ECN Number: 2023-005

Origination Date: July 01, 2023

Approval Date: August 14, 2023

Originator of Change: Ivan Lee/QA Engineering Manager

Part Number/Series: PCS34 Series

Revision Level: B

Reason for Change(s):

The housing tools to produce this SSR Series were worn out.
For this relay to be manufactured on the automated assembly equipment, we implemented a redesign of the housing and screws.
See the attached drawings and photos for comparison of the new features to the previous design's features.

1. Housing design changed resulting in an overall height increase.
2. Screws were redesigned to remove saddle washers. Screw sizes increased for some models.
3. LED color changed from red to green.
4. 100A~125A models changed from standard cover to fully epoxy sealed shell.
5. These changes have no effect on the Input, Output or Characteristics of the SSR.

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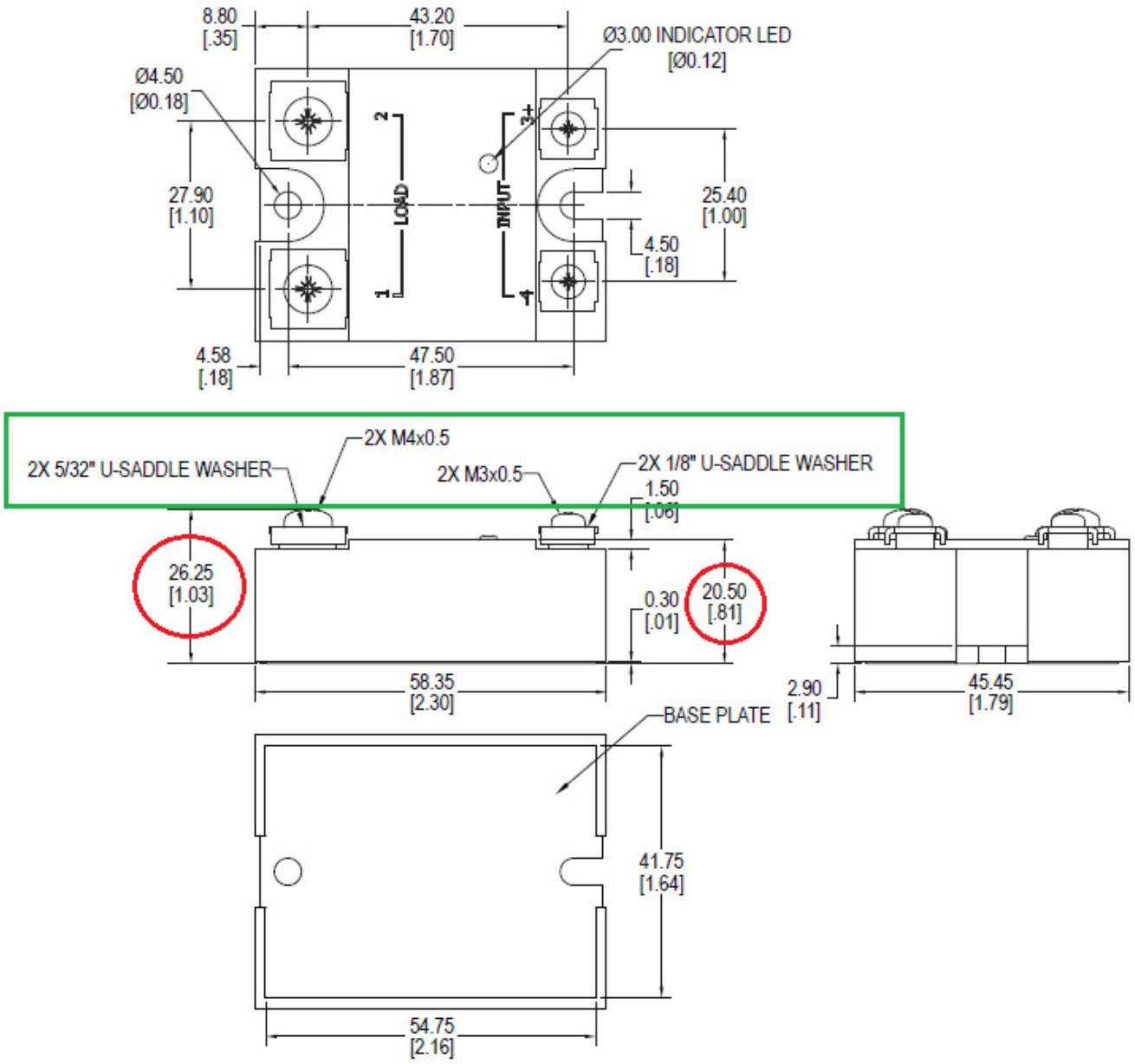
LED COLOR CHANGES

	
Current PCS34 with Red LED	New PCS34 with Green LED

SCREW TERMINAL DESIGN CHANGES

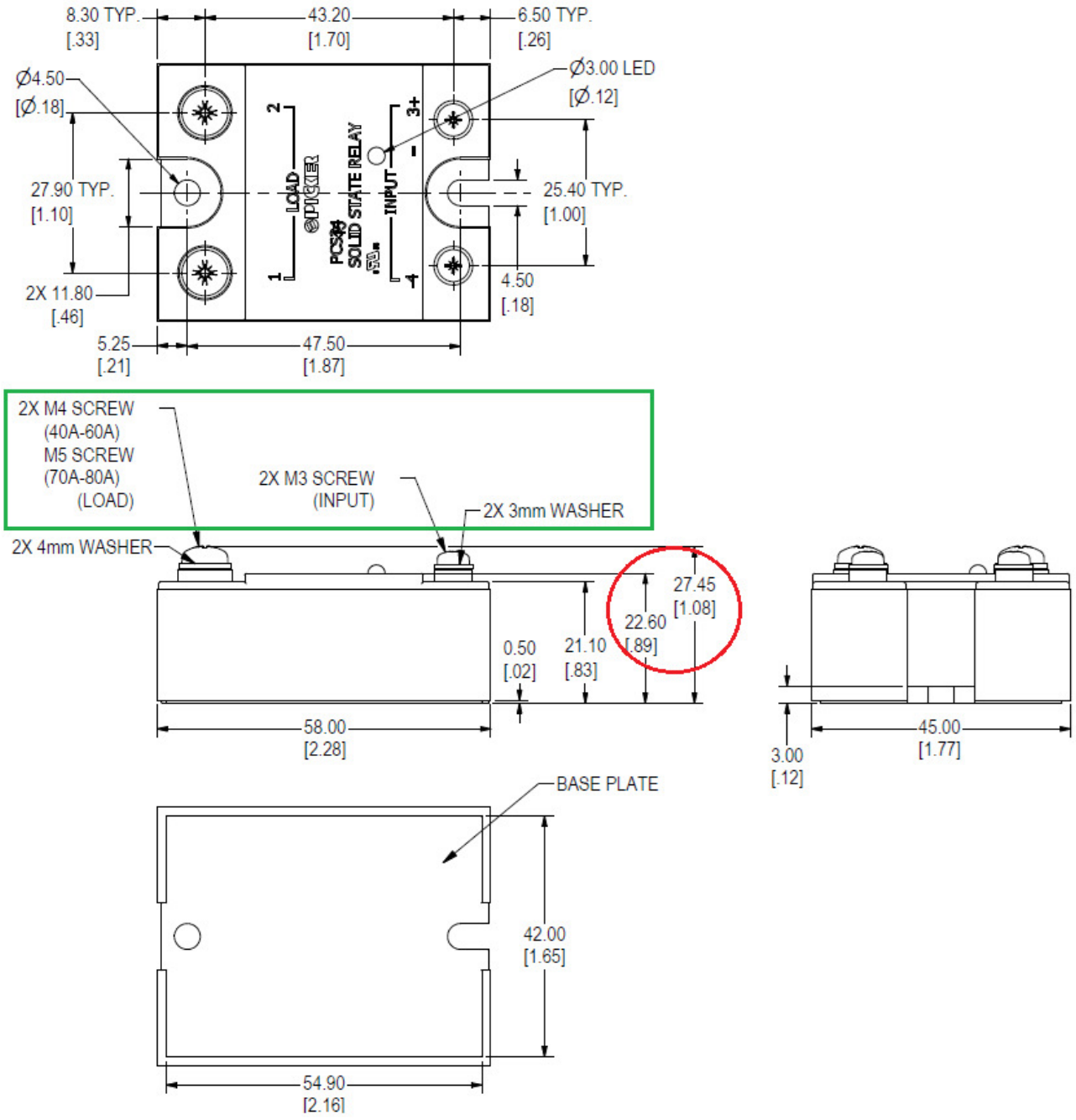
	
Current PCS34 with Screw Terminals with Saddle Washers	New PCS34 with new Screw Terminals design

HOUSING AND SCREW SIZE CHANGES. (CURRENT DESIGN PCS34 40A~125A with screw terminals)



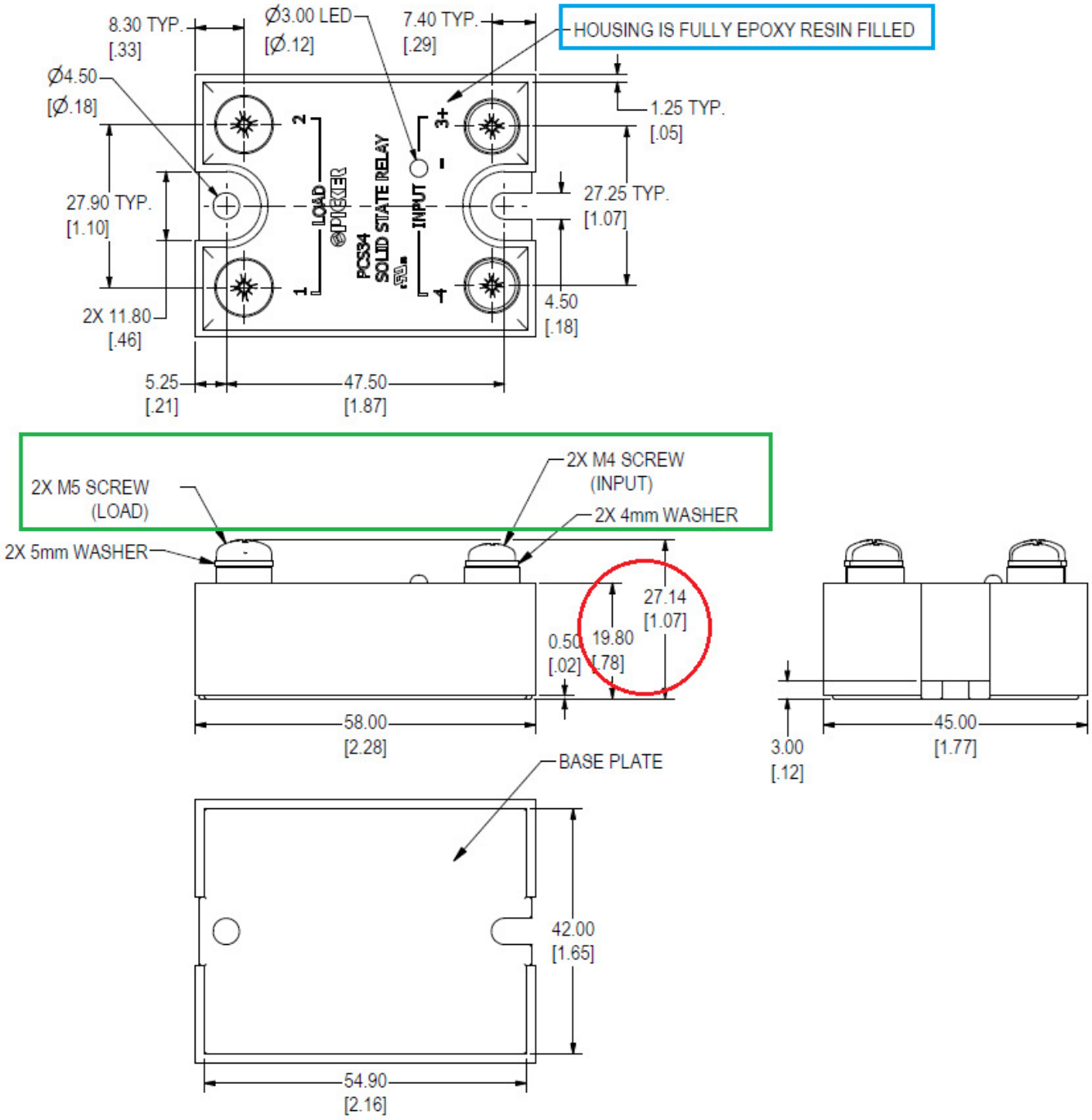
Current PCS34 40A~125A with screw terminals
Overall height from base to top of output screw: 26.25mm
Overall height from base to top of cover: 20.50mm
Input Screw Size: M3
Load Screw Size: M4

HOUSING & SCREW SIZE CHANGES. (NEW DESIGN PCS34 40A~80A with screw terminals)



New 40A~80A with screw terminals
Overall height from base to top of output screw: 27.45mm
Overall height from base to top of cover: 22.60mm
Input Screw Size: M3
Load Screw Size: M4 for 40A~60A & M5 for 70A~80A

HOUSING & SCREW SIZE CHANGES. (New 100A~125A with screw terminals - Fully epoxy sealed)



New 100A~125A with screw terminals - Fully epoxy sealed.
Overall height from base to top of output screw: 27.14mm
Overall height from base to top of cover: 19.80mm
Input Screw Size: M4
Load Screw Size: M5