

Product Change Notice - Announcement

PCN no.:	P25-P26-2021-005
Date:	2021-08-20
PCN Type:	Release needed
Subject:	EGO Radiant Heating Elements – Standardization and optimization of EGO HiLights® and EGOconomics®: 1. Redesign of Ø230mm EGO RHE 2. Redesign of rod limiters used in EGO RHE
Reference:	Product Management – Katharina Himmer

1. Change reasons / change items

The company group E.G.O. constantly pursues to follow up on continuous improvements of its products and production processes.

To provide the best possible service and products, E.G.O. intends to implement the following changes during the coming year 2022. To keep the testing effort as low as possible, E.G.O. is asking by this PCN letter for a common release of the following changes despite different dates of implementation.

1. Redesign of Ø230mm HiLights® and EGOconomics®

E.G.O. intends to introduce the robot technology for the insertion of the heating ribbon at the production site E.G.O. North America. This technology is already applied and proven at the production site Oberderdingen, Germany. The HiLight® variants with a diameter of 230/140mm, produced at E.G.O North America, are affected.

To be able to implement the robot technology for the insertion of the heating ribbon, the following changes must be made to the Ø230/140mm radiant heating elements produced at E.G.O. North America:

- Reduction of dome diameter
- Adjustment of heating ribbon layout (increase of the inner circuit by 3mm)

To ensure the ability to supply and to maintain the flexibility in E.G.O.'s global production network, it is necessary to standardize the dome diameter for all Ø230mm radiant heaters (product series 10.5 and 10.7, single-, dual- and triple-circuit versions) to the smaller dome design at each production location. The small dome is already used successfully in all other HiLight® and EGOconomic® heater diameters within E.G.O.'s production network.

Going along with the standardization of the dome diameter, the same heating ribbon layout (see chapter 4) will be implemented for all HiLight® dual-circuits with a heated diameter of 230/140mm at E.G.O.'s production sites in Austria and China.

To ensure a proper implementation of these changes, the redesign of Ø230mm HiLights® and EGOconomics® is divided into three steps.

Change 1.1: Reduction of dome diameter – Ø230mm (single-, dual- and triple-circuit)

Change 1.2: Adjustment of heating ribbon layout – Ø230/140mm

Change 1.3: Process change to robot insertion of heating ribbon at E.G.O. North America

The affected material type numbers will be changed to new type numbers (see attachment).

2. Redesign of rod limiters used in EGO HiLights® and EGOconomics®

E.G.O. intends to modify the design of its rod limiters for EGO HiLights® and EGOconomics®. This adjustment includes two changes.

Change 2.1: Geometric adjustment of contact profiles of the counter contact and the snap-action spring (only rod limiters with 11 A are affected)

Change 2.2: Harmonization of limiter sockets (rod limiter series 60.25, 60.15 and 60.16 are affected)

To ensure not to mix-up the limiter housings, E.G.O. will introduce a camera system to the production process.

The material type numbers will remain unchanged.

Change no.	Material type numbers	Production site					
		E.G.O. Austria	E.G.O. Turkey	E.G.O. China	E.G.O. North America	E.G.O. Germany	
1.1	Reduction of dome diameter	10.53x	x	x	x	x	not applicable
		10.73x	x	not applicable	not applicable	not applicable	not applicable
1.2	Adjustment of heating ribbon layout	10.5321x	x	no change	x	x	not applicable
1.3	Process change	10.5321x	no change	no change	no change	x	not applicable
2.1	Geometric adjustment of contact profiles	10.5x	x	x	x	x	x
		10.7x	x	not applicable	not applicable	not applicable	not applicable
2.2	Harmonization of sockets	10.5x	x	x	x	x	x
		10.7x	x	not applicable	not applicable	not applicable	not applicable

All these product changes will not have any negative influence on reliability, functionality, installation or performance of E.G.O.'s products and do not affect lifetime or approval.

2. Affected products

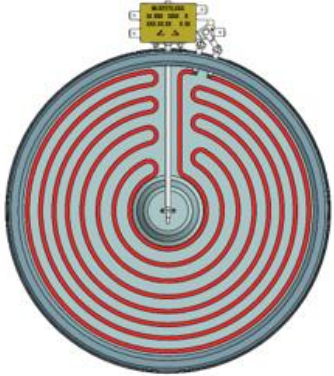
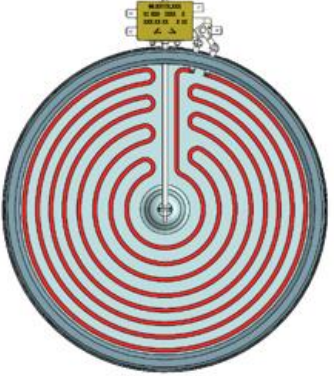
EGO HiLight® Radiant Heating Elements and EGOconomics®

3. Affected material type numbers

Change no.		Material type numbers	Description	
1.1	Reduction of dome diameter	10.53x	EGO HiLights® with a heated diameter of 230mm	All material types are affected
		10.73x	EGOnomics® with a heated diameter of 230mm	
1.2	Adjustment of heating ribbon layout	10.5321x	EGO HiLight® dual-circuit, 230/140 mm, 240 V	See attachment "PCN P25-P26-2021-005_List of affected types"_change 1.2
1.3	Process change	10.5321x	Robot insertion of heating ribbon at E.G.O. North America, Inc.	See attachment "PCN P25-P26-2021-005_List of affected types"_change 1.3
2.1	Geometric adjustment of contact profiles	10.5x	EGO HiLights®	See attachment "PCN P25-P26-2021-005_List of affected types"_change 2.1
		10.7x	EGOnomics®	
2.2	Harmonization of sockets	10.5x	EGO HiLights®	All material types with rod limiter series 60.25, 60.15, 60.16 are affected
		10.7x	EGOnomics®	

4. Identification of change

Change 1.1: Reduction of dome diameter – Ø230mm (single-, dual- and triple-circuit)
The current and new version is illustrated with a Ø230mm HiLight single-circuit as an example.

E.G.O. production site	Current design Ø230 mm	New design Ø230 mm
E.G.O. Austria Elektrogeräte Ges.m.b.H		
E.G.O. Elektrikli Aletler Sanayi A.Ş., Turkey		
E.G.O. Components (China) Co., Ltd.		
E.G.O. North America, Inc.		

All further characteristics of EGO HiLights® and EGOnomics® such as voltage, power and calibration remain unchanged.

Change 1.2: Adjustment of heating ribbon layout – Ø230/140mm

Change 1.3: Process change to robot insertion of heating ribbon at E.G.O. North America

The current and new version is illustrated with reference pictures below.

E.G.O. production site	Change 1.2	Change 1.3	Current design Ø230/140 mm	New design Ø230/140 mm
E.G.O. North America, Inc.	x	x	<p>Inner circuit: Ø146mm</p>	<p>Inner circuit: Ø149mm</p>
E.G.O. Components (China) Co., Ltd.	x	no change		
E.G.O. Austria Elektrogeräte Ges.m.b.H.	x	no change		

All further characteristics of the product such as voltage, power and calibration remain unchanged.

Change 2.1: Geometric adjustment of contact profiles of the counter contact and the snap-action spring (only rod limiters with 11 A are affected)

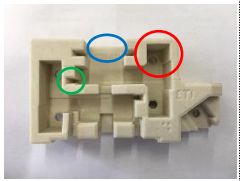
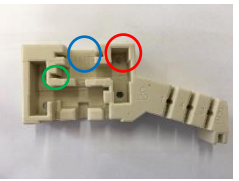
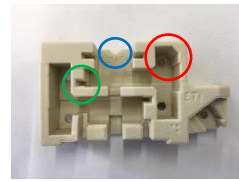
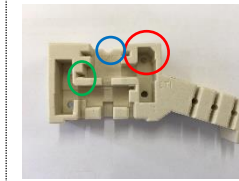
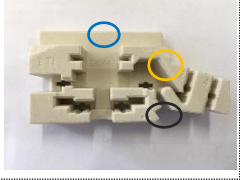
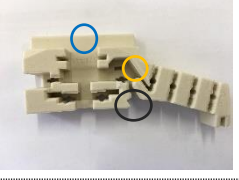
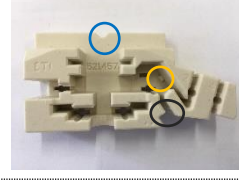
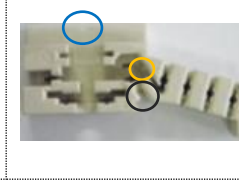
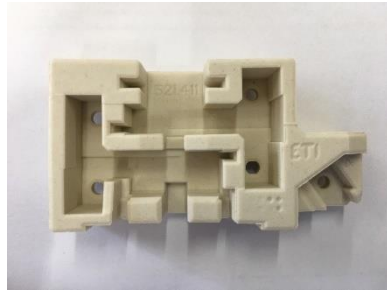
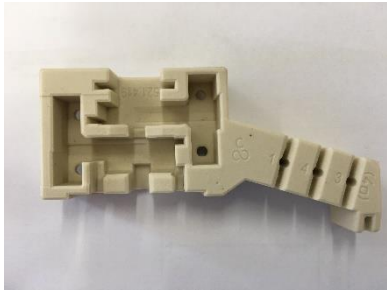

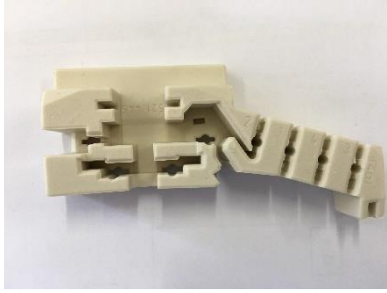
The current and the new version of the contact profiles is illustrated in the drawings below.

Installation position of the contact profiles in the 11 A rod limiter

Current version	New version

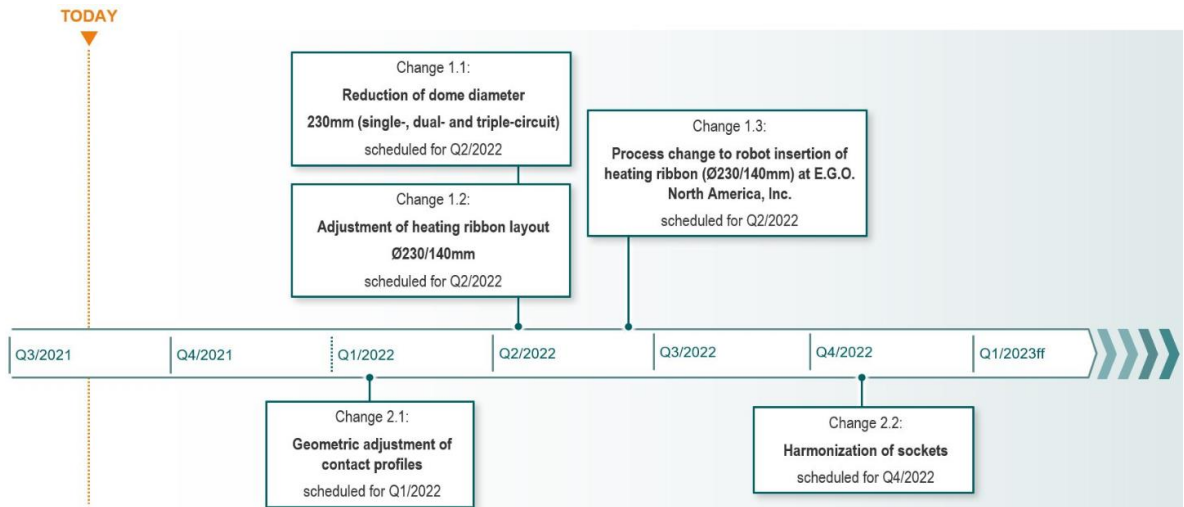
All further characteristics of EGO HiLights® and EGOconomics® such as voltage, power and calibration remain unchanged.

Change 2.2: Harmonization of limiter sockets (all rod limiter types are affected)
 The product variety with the current and new versions is illustrated with reference pictures below.

Current scenarios				
	11 A		14 A	
Rod limiter series	Standard	Giraffe	Standard	Giraffe
60.25 60.15				
60.16				
Number of sockets	$\Sigma 8$			
Future scenarios – one socket fits all				
Rod limiter series	Standard		Giraffe	
60.25 60.15				
60.16				
Number of sockets	$\Sigma 4$			

All further characteristics of EGO HiLights® and EGOmics® such as voltage, power and calibration remain unchanged.

5. Change schedule



6. Additional information

If samples are needed for release, please send a sample order as soon as possible, indicating the desired parts. The shipment of the samples will start in Q4/2021.

A summary of E.G.O.'s internal qualification tests (new heating ribbon layout Ø230/140mm and revision of 11 A contact) can be provided on demand. Please get in contact with E.G.O.'s Sales Responsible.

7. Appendix

See attachment: PCN P25-P26-2021-005_List of affected types