

1 Products affected

Product hierarchy no. *		Part no.	SBU	Type / Description	Customer part no.		
SBU PG	PUG	Туре					
03 070	011	0000003420	See list below	Switches	PSE RI	-	
*SBU (2-digit) / PG (3-digit) / PUG (3-digit) / Type (10-digit)							

List of part numbers affected							
1241.3010	1241.3057	1241.3237	1241.3437	1241.3532			
1241.3011	1241.3058	1241.3329	1241.3446	1241.3548			
1241.3012	1241.3189	1241.3345	1241.3512	1241.3446.050			

2 Type of change

- Extended supply voltage range for the illumination
- Reduction of power consumption
- Improved optical appearance of the illumination

3 Detailed description of change

The LED driver of the ring illumination was changed from series resistor for a fixed supply voltage of 24VDC to a step down converter in constant current mode allowing a supply voltage range from 5VDC to 28VDC.

The new LED driving principle provides improved brightness, homogeneity and power efficiency for all PSE RI product variants.

The blue potting compound visible on the backside of all PSE RI product variants was replaced by a colorless diffuse potting compound.

Old LED driving principle	New LED driving principle				
+ — — — —	+ — — — — —				
Old technical data of the illumination	New technical data of the illumination				
Supply voltage 24VDC Current consumption 10mA – 20mA* * Depended on the illumination color	Supply voltage 5VDC – 28VDC Max. current @5VDC 16.5mA @12VDC 8.2mA @24VDC 5.2mA				
Old product appearance	New product appearance				
Backside sealed with blue potting compound:	Backside sealed with diffuse colorless potting compound:				

4 Reason of change

This change is part of the continuous improvement process.

Product Change Notification					PSE RI			
owner	creation date	release date	released by	change order no	rev	page	D40 040 542	
rescalfa	19.09.2017	06.12.2017	pingelme	2013898	Α	1 of 2	D10-018-543	



5 Release date

The change takes effect in ww 05/2018 (Date code 1805 or higher on label).

6 Impact of change and recommended action

Form Yes New color of the potting compound

Fit No No change for dimension

Function Yes Enhanced range of supply voltages

Improved homogeneity and brightness of the illumination

Manufacturing No No change for manufacturing site

Label No No change on label Packaging No No change in packaging

7 Reference Documents / Attachments

Kind of document	Remarks
Datasheet PSE NO 24	
Datasheet PSE NO 27	
Datasheet PSE NO 30	
Datasheet PSE IV 30	

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