

1 Products affected

Product hierarchy no. *				Part no.	SBU	Type / Description	Customer part no.
SBU	PG	PGU	Type				
03	070	010	0000003406	See list below	Switches	MCS 30	-

*SBU (2-digit) / PG (3-digit) / PGU (3-digit) / Type (10-digit)

List of part numbers affected			
1241.6400	1241.6406		
1241.6401	1241.6407		
1241.6402	1241.6408		
1241.6403	1241.6409		
1241.6404	1241.6413		
1241.6405	1241.6437		

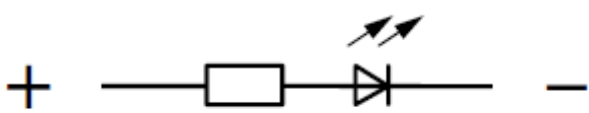
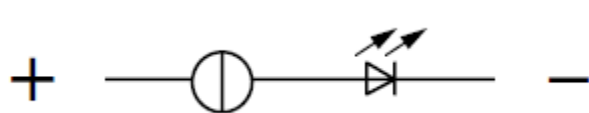
2 Type of change

- 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 MCS 30 product variants.

Old LED driving principle		New LED driving principle							
									
Old technical data of the illumination		New technical data of the illumination							
Supply voltage	24VDC	Supply voltage	5VDC – 28VDC						
Current consumption	10mA – 20mA*	Max. current consumption	<table border="1"> <tr> <td>@5VDC</td> <td>16.5mA</td> </tr> <tr> <td>@12VDC</td> <td>8.2mA</td> </tr> <tr> <td>@24VDC</td> <td>5.2mA</td> </tr> </table>	@5VDC	16.5mA	@12VDC	8.2mA	@24VDC	5.2mA
@5VDC	16.5mA								
@12VDC	8.2mA								
@24VDC	5.2mA								
* Depended on the illumination color									

4 Reason of change

This change is part of the continuous improvement process.

5 Release date

The change takes effect in week 05/2017 (Date code 1705 or higher on label).

6 Impact of change and recommended action

Form	Yes	Improved homogeneity and brightness of the illumination
Fit	No	No change for dimension

Product Change Notification					PCN MCS 30		
owner	creation date	release date	released by	change order no	rev	page	D10-010-888
rescalfa	2017-01-23	2017-01-25	rescalfa	2011966	B	1 of 2	

Function	Yes	Enhanced range of supply voltages
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	

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rescalfa	2017-01-23	2017-01-25	rescalfa	2011966	B	2 of 2	