

**1 Products affected:**

Type: standard part numbers

MCS 19 1241.2830.XXX – 1241.2834.XXX / 1241.2855.XXX – 1241.2859.XXX

MSM 1241.66X3.XXXXXXXXXX

MSM DP 1241.69X3.XXXXXXXXXX

MSM LA 1241.68X3.XXXXXXXXXX

Customized part numbers on request

**2 Type of Change:**

The supplier for the LED's which are used for the point illuminated switches has discontinued the production of LED's. With the replacement LED the technical characteristics will change.

**3 Impact of form, fit and function:**

**Form:** None

**Fit:** None

**Function:**

For relevant value it is referred to the change in forward current. For the recommended forward current reference is made to the product manual (document, section 5).

**4 Availability / Release Date**

For the listed items only a limited quantity is available. The switches on stock with the old LED will be allocated according to the order date.

Articles with the production date of July 2011 -> date code 1127 are made with the new LED.

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As indication a note will be attached to the packaging for the transitional period. Example for the note MSM is shown below. For relevant value it is referred to the change in forward current.

**EN**

You have received a product with a new standard LED. For further information, please extract PRODUCT CHANGE NOTIFICATION 110614 as a download from the website <http://www.schurter.com>

**DE**

Sie haben ein Produkt mit einer neuen Standard LED erhalten. Detaillierte Informationen entnehmen Sie bitte der PRODUCT CHANGE NOTIFICATION 110614 als download auf der website <http://www.schurter.com>

MSM

document number 0158.9364

**Old:**

LED-Color	I <sub>D</sub> [mA]	I <sub>DMax</sub> [mA]	U <sub>D</sub> [V]*	U <sub>DMax</sub> [V]*	U <sub>v</sub> [V]		U <sub>v</sub> [V]		U <sub>v</sub> [V]	
					R <sub>v</sub> [Ω]	R <sub>v</sub> <sup>E24</sup> [Ω]	R <sub>v</sub> [Ω]	R <sub>v</sub> <sup>E24</sup> [Ω]	R <sub>v</sub> [Ω]	R <sub>v</sub> <sup>E24</sup> [Ω]
red	10	---	2,0	---	300	300	1000	1000	2200	2200
	---	40	---	2,5	63	62	238	240	538	560
green	10	---	2,0	---	300	300	1000	1000	2200	2200
	---	40	---	2,5	63	62	238	240	538	560
Yellow	10	---	2,0	---	300	300	1000	1000	2200	2200
	---	40	---	2,5	63	62	238	240	538	560
blue	10	---	3,2	---	180	160	880	1100	2080	2700
	---	20	---	3,7	65	68	415	430	1015	1000

I<sub>D</sub> LED-Forward Current typ.

I<sub>DMax</sub> LED-Forward Current max.

R<sub>v</sub> Series Resistor (calculated)

U<sub>D</sub> LED-Forward voltage [10mA]

U<sub>DMax</sub> LED-Forward voltage max.

R<sub>v</sub><sup>E24</sup> Series Resistor (regarding E24-Resistor series)

**New:**

LED-Color	I <sub>D</sub> [mA]	I <sub>DMax</sub> [mA]	U <sub>D</sub> [V]*	U <sub>DMax</sub> [V]*	U <sub>v</sub> [V]		U <sub>v</sub> [V]		U <sub>v</sub> [V]	
					R <sub>v</sub> [Ω]	R <sub>v</sub> <sup>E24</sup> [Ω]	R <sub>v</sub> [Ω]	R <sub>v</sub> <sup>E24</sup> [Ω]	R <sub>v</sub> [Ω]	R <sub>v</sub> <sup>E24</sup> [Ω]
red	10	---	1,9	---	310	330	1010	1000	2210	2200
	---	30	---	3,0	67	68	300	300	700	750
green	10	---	2,1	---	290	300	990	1000	2190	2200
	---	30	---	3,0	67	68	300	300	700	750
Yellow	10	---	2,1	---	290	300	990	1000	2190	2200
	---	30	---	3,0	67	68	300	300	700	750
blue	8	---	3,7	---	163	160	1038	1100	2538	2700
	---	20	---	4,5	25	27	375	390	975	1000

I<sub>D</sub> LED-Forward Current typ.

I<sub>DMax</sub> LED-Forward Current max.

R<sub>v</sub> Series Resistor (calculated)

U<sub>D</sub> LED-Forward voltage [10mA]

U<sub>DMax</sub> LED-Forward voltage max.

R<sub>v</sub><sup>E24</sup> Series Resistor (regarding E24-Resistor series)

**5 Reference Documents:**

Dokument	Nummer	Weblink
Data sheet MCS 19	0105.9515	<a href="http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MCS19.pdf">http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MCS19.pdf</a>
Data sheet MSM	0105.9502	<a href="http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MSM19.pdf">http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MSM19.pdf</a>
Data sheet MSM DP	0105.9534	<a href="http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MSM19DP.pdf">http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MSM19DP.pdf</a>
Data sheet MSM LA	0105.9526.200	<a href="http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MSM19LA.pdf">http://www.schurter.de/var/schurter/storage/ilcatalogue/files/document/datasheet/en/pdf/typ_MSM19LA.pdf</a>

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