

# New EU-RoHS Directive

The EU-RoHS Directive issued an announcement (EU) 2019/171 released February 5, 2019), and the exemption for cadmium and its compounds contained in electrical contacts was updated. After the expiration date of exemption for each category, some of NKK's products will no longer be EU-RoHS compliant. Equipment, categories, expiration dates, exemptions and effected series products are detailed below and on page 2.

## EU-RoHS Directive (2019/171, issued February 5, 2019)

Previously, cadmium in electrical contacts was recognized as an Exemption 8(b) classification in Electrical and Electronic Equipment (EEE) Categories 1 through 7 and 10. However, Exemption 8(b) will expire on February 29, 2020, and be divided into two categories, 8(b) and 8(b)-1, depending on the use of the final product. Each of the EEE categories and the expiration dates are shown on the following table.

Category	Electrical and Electronic Equipment (Annex 1)	Before	After	
		8(b)	* 8(b)	* 8(b)-1
1	Large household appliances (LHA)	Exempt	Ending 2/29/2020	7/21/2021  See page 2 for products categorized in 8(b)-1
2	Small household appliances (SHA)			
3	IT and telecommunications equipment			
4	Consumer equipment			
5	Lighting equipment			
6	Electrical and electronic tools			
7	Toys, leisure and sports equipment			
8	Medical devices	7/21/2021	—	
	In vitro diagnostic medical devices	7/21/2023	—	
9	Monitoring and control instruments (for consumer products)	7/21/2021	—	
	Industrial monitoring and control instruments	7/21/2024	—	
10	Automatic dispensers	Exempt	Ending 2/29/2020	7/21/2021 (Same as above)
11	Other EEE not covered in any of the categories above	7/21/2024	—	

\* Dates in these columns indicate the expiration dates for cadmium in the contacts.



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# Announcement M, M2T, MLW, CWSC & S Series

## New EU-RoHS Directive

### EU-RoHS Exemption 8(b)-1

As of March 1, 2020, cadmium and its compounds in electrical contacts used for the following applications are classified in 8(b)-1.

- Breakers, heat sensing control devices, thermal motor protectors (excluding sealed thermal motor protectors)
- AC rated switches (6A @ 250V AC or greater, 12A @ 125V AC or greater)
- DC rated switches (20A @ 18V DC or greater)
- Switches that use a voltage supply frequency of 200Hz or greater

The exemption will continue until July 21, 2021 for switches with above conditions.

All other applications are classified as 8(b).

For details on the official European Union Gazette, see the following:

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019L0171&from=EN>

### EU-RoHS Directive (2019/171) and the Scope of NKK's Products

As shown in Change Notice CN-0352, all of NKK's standard products are below the maximum levels for ten EU-RoHS directive regulated substances. According to the new EU-RoHS Directive (EU) 2019/171, if the products contain cadmium and its compounds and the EEE is categorized as 1 through 7 or 10, the result will be restrictions on distribution, shipping or sales of the products in the EU. Some of NKK's products contain 100 ppm or more of cadmium in the contact area, and under exemption 8(b) the product may no longer be EU-RoHS compliant, depending on the EEE category. If you use these products, confirm that the cadmium content is compatible with your equipment and application.

### Applicable Product Series

All products that contain cadmium in the electrical contacts and that are categorized as 1 through 7 or 10 in the EEE are subject to the regulations after March 1, 2020. These include the following:

Series	Models	Notes
M Toggles	Circuits 9, 4, 7 Only	
M Rockers	Circuits 9, 4, 7 Only	
M2T Toggles	Circuit 9 Only	Discontinued per CN-0355
M2T Rockers	Circuit 9 Only	Discontinued per CN-0355
MLW Rockers	Circuits 9, 0 Only	Models with AT602 Incandescent Lamps Discontinued per CN-0355
CWSC Rockers	All Models	Discontinued per CN-0355
S Toggles	S6A/C Only	

### Notes

Contact NKK Switches if more details are needed.



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