

Statement of PFOA/PFOS and other PFAS substances

This statement applies to all standard part numbers within NKK Switches' product series.

1. NKK Switches understands the importance of the EU restrictions on the use Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) chemicals in Electronic Components.

As of the date set below, NKK Switches of America, Inc. certifies that PFOS/PFOA chemicals are not intentionally used/added in NKK Switches' standard switch products and/or the manufacturing process.

2. Regarding the other PFAS substances that are not categorized as PFOS and PFOA, below listed product series groups intentionally contain one or more listed Substances. All product series and groups not listed don't contain the other PFAS at a current stage of research.

Series	Segregating Attribute	PFAS Name	CAS#	Percentage in a homogeneous material
BB	Alternate Action models (Part numbers begin with BB16 or BB26)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
CB, CB3	Non-illuminate type	Poly(tetrafluoroethylene)	9002-84-0	100% in Tape
CS		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
FD01, 02		1,1-Difluoroethene-hexafluoropropene copolymer	9011-17-0	78.9% in O-ring
		Bisphenol AF	1478-61-1	1% in O-ring
		TRIPHENYL(PHENYLMETHYL)-PHOSPHONIUM SALT WITH 4,4'-[2,2,2-TRIFLUORO-1-(TRIFLUOROMETHYL)ETHYLIDENE]BIS[PHENOL] (1:1)	75768-65-9	0.8% in O-ring
FF01		Methyl perfluoroisobutyl ether	163702-08-7	57% in Lubricant
		Butane,1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-	163702-07-6	38% in Lubricant
		Ethene,1,1,2,2-tetrafluoro-, oxidized, polymd	69991-61-3	5% in Lubricant
		Poly(tetrafluoroethylene)	9002-84-0	1% in Lubricant 5% in Grease
FT	Touch screen controller (Part numbers begin with FTCS or FTCU)	Poly(tetrafluoroethylene)	9002-84-0	100% in Condenser
IS	Only IS15ESBFP4RGB	Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
IS	Standard OLED (Part numbers begin with ISC)	Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
IS	Frameless OLED (Part numbers begin with ISF)	Poly(tetrafluoroethylene)	9002-84-0	1.4% in OLED Module 5% in Grease
JP		Poly (chlorotrifluoroethylene)	9002-83-9	7% in grease
		Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
JS04		Poly(tetrafluoroethylene)	9002-84-0	1% in Actuator
JW	JWM, JWL models	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
JWS		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
KP	KP01, KP02 models	Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
KP	KP04 models	Poly(tetrafluoroethylene)	9002-84-0	15% in Spacer and Cover

Series	Segregating Attribute	PFAS Name	CAS#	Notes
LB		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
LP01		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
LW	Only LW3021A	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
M (Toggle and Rocker)	DP contained type (Part numbers begin with M20)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease Discontinued in April 2024
MB (Pushbutton)	DP contained type (Part numbers begin with MB20)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease Discontinued in April 2024
MS (Slide)	ON-NONE-ON type	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease Discontinued in April 2024
MS (Slide)	ON-OFF-ON, ON-ON-ON type	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease Discontinued in April 2024
		Poly(tetrafluoroethylene)	9002-84-0	5% in Grease Discontinued in April 2024
M, (MN type, Toggle and Rocker)	Non-DP type with silver contact. (Part numbers begin with MN and terminal code W)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Methyl perfluoroisobutyl ether	163702-08-7	90% in Lubricant
		Ethene,1,1,2,2-tetrafluoro-, oxidized, polymd	69991-61-3	2% in Lubricant
		Poly(tetrafluoroethylene)	9002-84-0	1% in Lubricant
M, (MN type, Toggle and Rocker)	Non-DP type with gold contact. (Part numbers begin with MN and terminal code G)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
M, (MBN type Pushbutton)	Non-DP type with silver contact. (Part numbers begin with MBN and terminal code W)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Methyl perfluoroisobutyl ether	163702-08-7	90% in Lubricant
		Ethene,1,1,2,2-tetrafluoro-, oxidized, polymd	69991-61-3	2% in Lubricant
		Poly(tetrafluoroethylene)	9002-84-0	1% in Lubricant
M, (MBN type Pushbutton)	Non-DP type with gold contact. (Part numbers begin with MBN and terminal code G)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
M, (MSN type Slide)	Non-DP type with silver contact, ON-NONE-ON circuit. (Part numbers begin with MSN12 or MSN22 with terminal code W)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Methyl perfluoroisobutyl ether	163702-08-7	90% in Lubricant
		Ethene,1,1,2,2-tetrafluoro-, oxidized, polymd	69991-61-3	2% in Lubricant
		Poly(tetrafluoroethylene)	9002-84-0	1% in Lubricant
M, (MSN type Slide)	Non-DP type with silver contact, ON-OFF-ON or ON-ON-ON circuit. (Part numbers begin with MSN13, MSN23 or MSN24 with terminal code W)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Methyl perfluoroisobutyl ether	163702-08-7	90% in Lubricant
		Ethene,1,1,2,2-tetrafluoro-, oxidized, polymd	69991-61-3	2% in Lubricant
		Poly(tetrafluoroethylene)	9002-84-0	1% in Lubricant 5% in Grease
M, (MSN type Slide)	Non-DP type with gold contact, ON-NONE-ON circuit. (Part numbers begin with MSN12 or MSN22 with terminal code G)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
M, (MSN type Slide)	Non-DP type with gold contact, ON-OFF-ON or ON-ON-ON circuit. (Part numbers begin with MSN13, MSN23 or MSN24 with terminal code G)	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
M2B		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
S	S1~S29 and all related models	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
	S331~S339 and all related models	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
	S421~S429 and all related models	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
SB	SB4011 models	Poly(tetrafluoroethylene)	9002-84-0	8% in Guide
SM		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
SW	SW3001~SW3008 and all related models	Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
TL		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease Discontinued in April 2024

Series	Segregating Attribute	PFAS Name	CAS#	Notes
TP02	Touch screen controller (Part numbers begin with TP02CS or TP02CU)	Poly(tetrafluoroethylene)	9002-84-0	100% in Condenser
UB		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
UB2		Poly (chlorotrifluoroethylene)	9002-83-9	7% in Grease
		Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
WT		Ethene,1,1,2,2-tetrafluoro-, oxidized, polymd	69991-61-3	75% in Lubricant
		Poly(tetrafluoroethylene)	9002-84-0	30% in Lubricant
		POLYPERFLUOROETHOXYMETHOXY DIFLUOROETHYL PEG ETHER	162492-15-1	1% in Lubricant
YB	Alternate action type models (Part numbers begin with YB16 or YB26) and splashproof models (Part numbers begin with YB15W or YB25W)	Poly(tetrafluoroethylene)	9002-84-0	5% in Grease
YB2	Alternate action type models (Part numbers begin with YB216 or YB226) and splashproof models (Part numbers begin with YB215CW or YB225CW)	Poly(tetrafluoroethylene)	9002-84-0	5% in Grease

*Contact NKK Switches for detailed information on a part number basis.

[Important Notes]

NKK Switches utilize chemSHERPA management and so that the information on PFAS not subject to chemSHERPA management is based on available information. The above-mentioned substances are based on information provided by NKK Switches of America and/or suppliers and are accurate to the best of our knowledge. This statement is valid unless superseded by a revised certification at a later date.



Yohei Takashima

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Engineering
NKK Switches of America, Inc.
Phone: 480-991-0942
Email: environmental@nkkswitches.com