

## CERTIFICATE OF COMPLIANCE

### RoHS & REACH

August 2024  
Rev. AA

This Certificate of Environmental Compliance applies to all part numbers listed below.

Serie	RoHS		China RoHS-2	REACH-241		
	EU directives 2011/65/EU (RoHS 2) & 2015/863 (RoHS 3)		China RoHS regulations GB/T 26572 & SJ/T 11364-2014	Regulation (EC) N° 1907/2006 Compliance with the following lists is based on our knowledges and on the current available information from our suppliers.		
	Compliance	Exemptions (Please check nota 2)	Compliance	SVHC candidate, list of the June 27th, 2024	Annex XIV compliance	Annex XVII compliance, list of May 22nd, 2024
<b>Switches</b>						
A (Rotary)	Yes	without	Yes	None	Yes	Yes
A (Snap-acting)	Yes	8(b) &/or 8(b)-1 on F3 & C2 ratings	Yes <sup>(1)</sup>	Cadmium and its compounds	Yes	Yes
A (Switchlock)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
AP	Yes	without	Yes	None	Yes	Yes
ATP16 (Momentary)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4% Octamethylcyclotetrasiloxane (D4) < 0,2%	Yes	Yes
ATP16 (Lock)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4% Octamethylcyclotetrasiloxane (D4) < 0,2% Diboron trioxide	Yes	Yes
ATP19 & ATP22	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4% & Octamethylcyclotetrasiloxane (D4) < 0,2%	Yes	Yes
ATPS19 & ATPS22	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4% & Octamethylcyclotetrasiloxane (D4) < 0,2%	Yes	Yes
ATS	Yes	without	Yes	None	Yes	Yes
AYZ	Yes	without	Yes	None	Yes	Yes
BD	Yes	without	Yes	None	Yes	Yes
BPA	Yes	without	Yes	None	Yes	Yes
CA	Yes	without	Yes	None	Yes	Yes
CA illuminated version	Yes	without	Yes	None	Yes	Yes
CD	Yes	without	Yes	None	Yes	Yes
CG	Yes	without	Yes	None	Yes	Yes
CL	Yes	without	Yes	None	Yes	Yes
CM	Yes	without	Yes	None	Yes	Yes
CN	Yes	without	Yes	None	Yes	Yes
CR	Yes	without	Yes	None	Yes	Yes
CRD	Yes	without	Yes	None	Yes	Yes
CRE	Yes	without	Yes	Boric acid & Diboron trioxide	Yes	Yes
CS	Yes	without	Yes	None	Yes	Yes
D	Yes	without	Yes	None	Yes	Yes
D6	Yes	without	Yes	None	Yes	Yes
DA	Yes	without	Yes	None	Yes	Yes
DC	Yes	without	Yes	None	Yes	Yes
DDS	Yes	without	Yes	None	Yes	Yes
DF	Yes	without	Yes	None	Yes	Yes
DGT	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
DM	Yes	without	Yes	None	Yes	Yes
DM illuminated version	Yes	without	Yes	None	Yes	Yes
DS (Detect)	Yes	without	Yes	None	Yes	Yes
DS (Snap-acting)	Yes	without	Yes	None	Yes	Yes
E (Rocker)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
E (Toggle)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
E010	Yes	without	Yes	None	Yes	Yes
E020	Yes	without	Yes	None	Yes	Yes
ED	Yes	without	Yes	None	Yes	Yes
EJ	Yes	without	Yes	None	Yes	Yes
EL	Yes	without	Yes	None	Yes	Yes
ELUM	Yes	without	Yes	None	Yes	Yes
EP	Yes	without	Yes	None	Yes	Yes
ES	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
ET (Rocker)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
ET (Toggle)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
ETB	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
F (Pushbutton)	Yes	without	Yes	None	Yes	Yes
F (Rotary)	Yes	without	Yes	None	Yes	Yes
FDSD	Yes	without	Yes	None	Yes	Yes
FDSE	Yes	without	Yes	None	Yes	Yes
FL	Yes	without	Yes	None	Yes	Yes
FP	Yes	without	Yes	None	Yes	Yes
GP	Yes	without	Yes	None	Yes	Yes
GS	Yes	without	Yes	None	Yes	Yes

## CERTIFICATE OF COMPLIANCE

### RoHS & REACH

August 2024  
Rev. AA

This Certificate of Environmental Compliance applies to all part numbers listed below.

Serie	RoHS		China RoHS-2	REACH-241		
	EU directives 2011/65/EU (RoHS 2) & 2015/863 (RoHS 3)		China RoHS regulations GB/T 26572 & SJ/T 11364-2014	Regulation (EC) N° 1907/2006 Compliance with the following lists is based on our knowledges and on the current available information from our suppliers.		
	Compliance	Exemptions (Please check nota 2)	Compliance	SVHC candidate, list of the June 27th, 2024	Annex XIV compliance	Annex XVII compliance, list of May 22nd, 2024
GT	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
H (Rotary)	Yes	without	Yes	None	Yes	Yes
H (Switchlock)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
HB	Yes	8(b) &/or 8(b)-1 on B4, B6, F9 & X3 ratings	Yes <sup>(1)</sup>	Cadmium and its compounds	Yes	Yes
HDD	Yes	without	Yes	None	Yes	Yes
HDP	Yes	without	Yes	None	Yes	Yes
HDS	Yes	without	Yes	None	Yes	Yes
HDT	Yes	without	Yes	None	Yes	Yes
HP	Yes	without	Yes	None	Yes	Yes
HS	Yes	without	Yes	None	Yes	Yes
HW	Yes	without	Yes	None	Yes	Yes
ILS	Yes	without	Yes	None	Yes	Yes
ITS	Yes	without	Yes	None	Yes	Yes
JS	Yes	without	Yes	None	Yes	Yes
JSM	Yes	without	Yes	None	Yes	Yes
JSX	Yes	without	Yes	None	Yes	Yes
K12	Yes	without	Yes	Hexahydromethyl phthalic anhydride	Yes	Yes
K12C & K12CF	Yes	without	Yes	Imidazolidine-2-thione < 1%	Yes	Yes
K12SA	Yes	without	Yes	None	Yes	Yes
K12SB	Yes	without	Yes	Decamethylcyclopentasiloxane (D5) < 0,5%	Yes	Yes
K12SC	Yes	without	Yes	None	Yes	Yes
K12SD	Yes	without	Yes	Decamethylcyclopentasiloxane (D5) < 0,5%	Yes	Yes
K12SE	Yes	without	Yes	None	Yes	Yes
K12SF	Yes	without	Yes	Decamethylcyclopentasiloxane (D5) < 0,5%	Yes	Yes
K12SG	Yes	without	Yes	None	Yes	Yes
K12SH	Yes	without	Yes	Decamethylcyclopentasiloxane (D5) < 0,5%	Yes	Yes
K5AT	Yes	without	Yes	None	Yes	Yes
K5G	Yes	without	Yes	None	Yes	Yes
K5V	Yes	without	Yes	None	Yes	Yes
K6	Yes	without	Yes	None	Yes	Yes
K8	Yes	without	Yes	None	Yes	Yes
KBD	Yes	without	Yes	None	Yes	Yes
KDS	Yes	without	Yes	None	Yes	Yes
KLS	Yes	without	Yes	None	Yes	Yes
KM	Yes	without	Yes	None	Yes	Yes
KMR	Yes	without	Yes	None	Yes	Yes
KMS	Yes	without	Yes	None	Yes	Yes
KMT	Yes	without	Yes	None	Yes	Yes
KS	Yes	without	Yes	None	Yes	Yes
KSA	Yes	without	Yes	None	Yes	Yes
KSA Buttons	Yes	without	Yes	None	Yes	Yes
KSB	Yes	without	Yes	None	Yes	Yes
KSC	Yes	without	Yes	None	Yes	Yes
KSD	Yes	without	Yes	None	Yes	Yes
KSE	Yes	without	Yes	None	Yes	Yes
KSF	Yes	without	Yes	None	Yes	Yes
KSFI	Yes	without	Yes	None	Yes	Yes
KSH	Yes	without	Yes	None	Yes	Yes
KSI	Yes	without	Yes	None	Yes	Yes
KSJ	Yes	without	Yes	None	Yes	Yes

## CERTIFICATE OF COMPLIANCE

### RoHS & REACH

August 2024  
Rev. AA

This Certificate of Environmental Compliance applies to all part numbers listed below.

Serie	RoHS		China RoHS-2	REACH-241		
	EU directives 2011/65/EU (RoHS 2) & 2015/863 (RoHS 3)		China RoHS regulations GB/T 26572 & SJ/T 11364-2014	Regulation (EC) N° 1907/2006 Compliance with the following lists is based on our knowledges and on the current available information from our suppliers.		
	Compliance	Exemptions (Please check nota 2)	Compliance	SVHC candidate, list of the June 27th, 2024	Annex XIV compliance	Annex XVII compliance, list of May 22nd, 2024
KSL	Yes	without	Yes	None	Yes	Yes
KSM	Yes	without	Yes	None	Yes	Yes
KSR	Yes	without	Yes	None	Yes	Yes
KSS	Yes	without	Yes	None	Yes	Yes
KST	Yes	without	Yes	None	Yes	Yes
KSU	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
KSV	Yes	without	Yes	None	Yes	Yes
KT	Yes	without	Yes	None	Yes	Yes
KXT	Yes	without	Yes	None	Yes	Yes
L	Yes	without	Yes	None	Yes	Yes
LC	Yes	without	Yes	None	Yes	Yes
LCA	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
LCB	Yes	without	Yes	None	Yes	Yes
LCS	Yes	without	Yes	None	Yes	Yes
LP	Yes	without	Yes	None	Yes	Yes
M	Yes	without	Yes	None	Yes	Yes
MD	Yes	without	Yes	None	Yes	Yes
MDP	Yes	without	Yes	None	Yes	Yes
MDP Buttons	Yes	without	Yes	None	Yes	Yes
MDS	Yes	without	Yes	None	Yes	Yes
MM	Yes	without	Yes	None	Yes	Yes
MPS	Yes	without	Yes	None	Yes	Yes
MS	Yes	without	Yes	None	Yes	Yes
Nano T	Yes	without	Yes	None	Yes	Yes
NE18	Yes	without	Yes	None	Yes	Yes
NP	Yes	without	Yes	None	Yes	Yes
OS	Yes	without	Yes	None	Yes	Yes
P	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
PB	Yes	without	Yes	None	Yes	Yes
PCM	Yes	without	Yes	None	Yes	Yes
PF	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
PHB	Yes	without	Yes	None	Yes	Yes
PL	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
PLP	Yes	without	Yes	None	Yes	Yes
PN	Yes	without	Yes	None	Yes	Yes
PNP	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
PPE	Yes	without	Yes	None	Yes	Yes
PS	Yes	8 (b)	Yes <sup>(4)</sup>	Cadmium and its compounds	Yes	Yes
PT	Yes	6c & 8(b) &/or 8(b)-1	Yes <sup>(1)</sup>	Lead in copper alloy < 4% Cadmium and its compounds	Yes	Yes
PTS	Yes	without	Yes	None	Yes	Yes
PVA	Yes	without	Yes	None	Yes	Yes
PVA Buttons	Yes	without	Yes	None	Yes	Yes
PVB	Yes	without	Yes	None	Yes	Yes
QFPF	Yes	without	Yes	None	Yes	Yes
QFPS	Yes	without	Yes	None	Yes	Yes
QHPS	Yes	without	Yes	None	Yes	Yes
R	Yes	without	Yes	None	Yes	Yes
RB	Yes	without	Yes	None	Yes	Yes
RBG	Yes	without	Yes	None	Yes	Yes
RKA	Yes	without	Yes	None	Yes	Yes
RKB	Yes	without	Yes	None	Yes	Yes
RKC	Yes	without	Yes	None	Yes	Yes
RM	Yes	without	Yes	None	Yes	Yes
RS	Yes	without	Yes	None	Yes	Yes

## CERTIFICATE OF COMPLIANCE

### RoHS & REACH

August 2024  
Rev. AA

This Certificate of Environmental Compliance applies to all part numbers listed below.

Serie	RoHS		China RoHS-2	REACH-241		
	EU directives 2011/65/EU (RoHS 2) & 2015/863 (RoHS 3)		China RoHS regulations GB/T 26572 & SJ/T 11364-2014	Regulation (EC) N° 1907/2006 Compliance with the following lists is based on our knowledges and on the current available information from our suppliers.		
	Compliance	Exemptions (Please check nota 2)	Compliance	SVHC candidate, list of the June 27th, 2024	Annex XIV compliance	Annex XVII compliance, list of May 22nd, 2024
RTA	Yes	without	Yes	None	Yes	Yes
RTE	Yes	without	Yes	None	Yes	Yes
RTF	Yes	without	Yes	None	Yes	Yes
S	Yes	without	Yes	None	Yes	Yes
SAN	Yes	without	Yes	None	Yes	Yes
SD	Yes	without	Yes	None	Yes	Yes
SDA	Yes	without	Yes	None	Yes	Yes
SDP	Yes	without	Yes	None	Yes	Yes
SDS	Yes	without	Yes	None	Yes	Yes
SDT	Yes	without	Yes	None	Yes	Yes
SK	Yes	without	Yes	None	Yes	Yes
SL	Yes	without	Yes	None	Yes	Yes
SPA	Yes	without	Yes	None	Yes	Yes
Spring Electrical Contact	Yes	without	Yes	None	Yes	Yes
SS	Yes	without	Yes	None	Yes	Yes
SSW	Yes	without	Yes	None	Yes	Yes
SW	Yes	without	Yes	None	Yes	Yes
T (Rocker)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
T (Toggle)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
TDA	Yes	without	Yes	None	Yes	Yes
TDD	Yes	without	Yes	None	Yes	Yes
TDP	Yes	without	Yes	None	Yes	Yes
TF	Yes	8(b) &/or 8(b)-1 on H3, J3, J6, K6 & L3 ratings	Yes <sup>(1)</sup>	Cadmium and its compounds	Yes	Yes
TF2	Yes	without	Yes	None	Yes	Yes
TF3	Yes	without	Yes	None	Yes	Yes
TFS	Yes	without	Yes	None	Yes	Yes
THB	Yes	without	Yes	None	Yes	Yes
TL	Yes	without	Yes	None	Yes	Yes
TM	Yes	without	Yes	None	Yes	Yes
TP	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
TS	Yes	without	Yes	None	Yes	Yes
V	Yes	without	Yes	None	Yes	Yes
Y	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
YF	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
YL	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
YM	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
ZM	Yes	without	Yes	None	Yes	Yes
ZMA	Yes	without	Yes	None	Yes	Yes
ZMS	Yes	without	Yes	None	Yes	Yes
ZMSM	Yes	without	Yes	None	Yes	Yes
ZMT	Yes	without	Yes	None	Yes	Yes
ZMV	Yes	without	Yes	None	Yes	Yes
ZPA	Yes	without	Yes	None	Yes	Yes
3	Yes	without	Yes	None	Yes	Yes
1000	Yes	without	Yes	None	Yes	Yes
3000 (Toggle)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
7000 (Rocker)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
7000 (Toggle)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
8020	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
8060	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
8500	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
8600	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
8700	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
9000 (Rocker)	Yes	6(a) &/or 6(a)-1, 6(c) & 8(b) &/or 8(b)-1 <sup>(3)</sup>	Yes <sup>(1)</sup>	Lead in steel < 0,35% Lead in copper alloy < 4% Cadmium and its compounds	Yes	Yes
9000 (Toggle)	Yes	6(a) &/or 6(a)-1, 6(c) & 8(b) &/or 8(b)-1 <sup>(3)</sup>	Yes <sup>(1)</sup>	Lead in steel < 0,35% Lead in copper alloy < 4% Cadmium and its compounds	Yes	Yes

## CERTIFICATE OF COMPLIANCE

### RoHS & REACH

August 2024  
Rev. AA

This Certificate of Environmental Compliance applies to all part numbers listed below.

Serie	RoHS		China RoHS-2	REACH-241		
	EU directives 2011/65/EU (RoHS 2) & 2015/863 (RoHS 3)		China RoHS regulations GB/T 26572 & SJ/T 11364-2014	Regulation (EC) N° 1907/2006 Compliance with the following lists is based on our knowledges and on the current available information from our suppliers.		
	Compliance	Exemptions (Please check nota 2)	Compliance	SVHC candidate, list of the June 27th, 2024	Annex XIV compliance	Annex XVII compliance, list of May 22nd, 2024
<b>Smart card connectors</b>						
CCM01	Yes	without	Yes	None	Yes	Yes
CCM01 with metal pegs (reinforced versions)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
CCM02	Yes	without	Yes	None	Yes	Yes
CCM02 with metal pegs (reinforced versions)	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
CCM03	Yes	without	Yes	None	Yes	Yes
CCM04	Yes	without	Yes	None	Yes	Yes
CCM05	Yes	without	Yes	None	Yes	Yes
<b>Space and High Reliability Connectors</b>						
DM	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
DMA	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
DMA-FO	Yes	without	Yes	None	Yes	Yes
DJ	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
D-Sub Accessories BR	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
D-Sub Accessories	Yes	without	Yes	None	Yes	Yes
DMA contacts	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
INTERPOSER	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
Power contacts	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
Coaxial contacts	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
MDB	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
MDM	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
MDMA	Yes	without	Yes	None	Yes	Yes
MDMA contacts	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes
Micro-D Accessories	Yes	without	Yes	None	Yes	Yes
MTB	Yes	6(c)	Yes <sup>(1)</sup>	Lead in copper alloy < 4%	Yes	Yes

(1) : Product with declarable substances. Please contact us for details at the following e-mail address.

(2) WARNING : Exemptions according to the Directive 2011/65/EU (EU RoHS 2), Annexes III and IV.

C&K switches can be used in any Rohs categories : Please check the validities of the exemptions depending on the category of your application.

(3) : Exemption 8(b) &/or 8(b)-1 only for versions with Z4 Terminals

(4) : Exemption 8(b) &/or 8(b)-1 only for product PS-1212-F

These electro-mechanical components have to be integrated in electrical devices, so specific marking is not required on our products.

If you require more information, please don't hesitate to contact us at the following e-mail address:

[EnvRequests-CK@littelfuse.com](mailto:EnvRequests-CK@littelfuse.com)

Approved by:

*Laurent Kubat*

Laurent KUBAT  
Europe R&D Director