

To: Avnet

**Certificate of Non-inclusion for Prohibited Substances in Products**

Company name: SHANGHAI OMRON CONTROL COMPONENTS CO.,LTD

Department: Quality Department

Title: Quality Department Manager

Name: ShenLi

Signature:



We hereby certify, based on facts known to us as of the date provided above, that OMRON products, parts, and materials (including accessories and individual package or packing materials thereof) delivered to you do not contain the following chemical substances over the criteria stated in our "Management Criteria for Regulated Chemicals" (Ver. 5.00) at the time of shipment from the factory.

**Details****1. Chemical Substances**

(1) Chemical Substances Regulated by RoHS Directives (2011/65/EU, 2015/863/EU): 10 Substances

No.	Substance
1	Lead / Lead compounds
2	Cadmium / Cadmium compounds
3	Mercury / Mercury compounds
4	Hexavalent Chromium compounds
5	Poly Brominated Biphenyls (PBB)
6	Poly Brominated Diphenyl Ethers (PBDE)
7	Bis (2-ethylhexyl)phthalate (DEHP/DOP) CAS No. 117-81-7 [*1]
8	Benzyl butyl phthalate (BBP) CAS No. 85-68-7 [*1]
9	Dibutyl phthalate (DBP) CAS No. 84-74-2 [*1]
10	Diisobutyl phthalate (DIBP) CAS No. 84-69-5 [*1]

(Note) [\*1]: Designated phthalates shall not be intentionally used over 1,000 ppm per homogeneous material.

**(2) Substances Prohibited by Omron: 47 Substances**

\*2 to \*8 are some of the substances that are required to be managed only for the purposes listed.

\*2, \*3, \*5 to \*8 are not subject to this certificate of non-inclusion because the target products are not intended to be used for the applicable purposes.

For details, please confirm "Management Criteria for Regulated Chemicals."

No.	Substance	No.	Substance
1	Nickel / Nickel Compounds [*2]	10	Dimethyl Fumarate
2	Tributyltin oxide (TBTO)	11	Polyvinyl chloride (PVC) and PVC copolymer [*4]
3	Trisubstituted organotin compound	12	Asbestos
4	Dibutyltin (DBT) compounds	13	Azo dyes, Azo pigment creating aromatic amine [*5]
5	Diocetyl tin (DOT) compounds [*3]	14	Ozone depleting substances
6	Polychlorinated biphenyls (PCB) or Alternitives	15	Radioactive materials
7	Polychlorinated terphenyls (PCT)	16	Formaldehyde [*6]
8	Polychlorinated naphthalenes (with 1 or more chlorine atoms)	17	2-(2H-benzotriazol-2-yl)-4,6-bis (1,1-dimethylethyl)-Phenol
9	Perfluorooctanesulfonic acid (PFOS)	18	Phthalate esters Group1 (BBP, DBP, DEHP, DIBP) [*7] [*9]

No.	Substance	No.	Substance
19	Phthalate esters Group2 (DIDP, DINP, DNOP) [*7] [*9]	34	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
20	Heavy metals (Lead, Cadmium, Hexavalent Chromium, Mercury) [*4]	35	Tri(4-isopropylphenyl) phosphate (PIP(3:1))
21	Short-chain chlorinated paraffins (C10-13)	36	Pentachlorothiophenol (PCTP)
22	Perfluorooctanoic acid (PFOA) and its salts	37	Hexachlorobutadiene (HCBd)
23	Perfluorooctanoic acid (PFOA)-related compounds	38	C9-C14 PFCA and their salts [*10]
24	Hexabromocyclododecane (HBCDD)	39	C9-C14 PFCA-related substances [*10]
25	Benzo[e]pyrene [*8]	40	Tris(2-chloroethyl) phosphate (TCEP)
26	Benzo[j]fluoranthene [*8]	41	Tris(1-chloro-2-propyl)phosphate (TCPP)
27	Benzo[b]fluoranthene [*8]	42	Tris(1,3-dichloro-2-propyl)phosphate (TDCPP)
28	Benzo[k]fluoranthene [*8]	43	Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings (MOAH) [*4] [*10]
29	Chrysen [*8]	44	PFHxS and their salts [*10]
30	Benzo[a]pyrene [*8]	45	PFHxS-related substances [*10]
31	Dibenzo[a,h]anthracene [*8]	46	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)Dechlorane Plus
32	Benzo[a]anthracene [*8]	47	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
33	Halogen-containing flame retardants		

(Note) [\*2]: For use as involving long-time contact with skin.

[\*3]: For use as textile / leather products intended to be in contact with skin, or two-component room temperature vulcanization molding kit.

[\*4]: For use as packing / packaging material.

[\*5]: For use as textile / leather products.

[\*6]: For use as (a) clothing or related accessories, (b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing, (c) footwear.

[\*7]: For use as a toy that may enter the mouth of a child or as a child-care product.

[\*8]: For use as rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact.

[\*9]: Those substances are not intentionally used over 1000 ppm in total per plasticized material.

[\*10]: These substances are not intentionally used over specified threshold values.

For "Management Criteria for Regulated Chemicals,"

access the URL: <https://components.omron.com/eu-en/technical-support/rohs-search>

## 2. Covered Products, Parts and Materials

	Product Name	Product Model	Note
1	Switch	D2HW-A201H	
2	Switch	D2HW-A211D	
3	Switch	D2HW-A221D	
4	Switch	D2HW-A231D	
5	Switch	D2HW-A261D	
6	Switch	D2HW-BL201DL	
7	Switch	D2HW-BL221DL	
8	Switch	D2HW-BL233MR-AQ R	
9	Switch	D2HW-BL293MR-A877-AQ R	
10	Switch	D2HW-BR211DR	
11	Switch	D2HW-BR211H	
12	Switch	D2HW-BR221DR	
13	Switch	D2HW-BR231DR	
14	Switch	D2HW-BR293MR-A876-AQ R	
15	Switch	D2HW-C201H	
16	Switch	D2HW-C203MS	
17	Switch	D2HW-C221H	
18	Switch	D2HW-C261H	
19	Switch	D2HW-C262MRS	
20	Switch	D2HW-C263MRS	

	Product Name	Product Model	Note
21	Switch	D2HW-C273MRS	
22	Relay	G8N-1 12DC	
23	Switch	D2HW-C202MRS	
24	Switch	D2HW-BL211H	
25	Switch	D2HW-BR201DR	
26	Switch	D2AW-A003D	
27	Switch	D2GW-A02D	
28	Switch	D2HW-A201D	