

ROHS DECLARATION OF CONFORMITY

Spark Holland BV declares under its sole responsibility that, products supplied to our customers, comply with the RoHS directive 2011/65/EU including the (EU) 2015/863 amendment to Annex II (also known as RoHS 3) and do not contain any of the hazardous substances in homogeneous materials above the specified limits listed below except for Lead (Pb) [EG 231-100-4] for which the exemptions listed in Annex III apply.

RoHS directive 2011/65/EU Annex II limits:

Substance	Max. limit w/w	Exemptions
Lead	0.1%	7(a), 7(c)-I
Mercury	0.1%	None
Cadmium	0.01%	None
Hexavalent chromium	0.1%	None
Polybrominated biphenyls (PBB)	0.1%	None
Polybrominated diphenyl ethers (PBDE)	0.1%	None
Bis(2-Ethylhexyl) phthalate (DEHP)	0.1%	None
Benzyl butyl phthalate (BBP)	0.1%	None
Dibutyl phthalate (DBP)	0.1%	None
Diisobutyl phthalate (DIBP)	0.1%	None

Lead is used in some Spark products as part of alloys, solders and electronic components in applications exempted by the RoHS directive 2011/65/EU Annex III:

Exemption	Description
7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)
7(c)-I	7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo electronic devices, or in a glass or ceramic matrix compound

This declaration is based on supplier part and material declarations.

Signed for and on behalf of:

Emmen, The Netherlands, November 6, 2023



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