Electrical Contact Point Protectors

Electrical and Electronics

These are electrical contact point protectors that are oil or grease agents for rust prevention, lubrication, and protection at electric contacts.
By applying these, it is possible to reduce contact resistance due to their lubricity, which can prevent noise and abrasion from sliding, and prevent sulfuration and oxidation corrosion by their barrier properties. They also have a cleaning effect that can soften and remove adsorbates and wear debris attached to contact surfaces, and prevent surface leakage current.
They can be used at contact points such as connectors, sockets, slide switches, toggle switches, and DIP switches.

2501 L, 2501 S

This is a general use grade with excellent lubricity.
An oil type and an aerosol type are also available.

2585 G

It has a great anti-plastic property.
It is for lubrication of plastic parts such as ABS and polycarbonates.
This is a grease-type product.

Property Table

Characteristics			Unit	2501L	2501S	2583G	2585G
Appearance				Colorless	Colorless	White	White
Viscosity			Pa-s	0.45	0.55	-	-
Consistency				-	-	311	325
Specific gravity				1.00	1.00	0.83	0.86
Solid content			%	99 or higher	99 or higher	-	99 or higher
Features				Lubricity Oil type	Aerosol version of 2501L	Rust-preventing lubricant for electric contact	Lubrication of plastic parts Grease type
Applications	Slide switch	Light load (0 to 30g)		×	×	-	×
		Medium load (30 to 50g)		△	△	-	×
		Heavy load (50g or higher)		×	×	-	×
	IC socket			○	○	-	×
	Connector			○	○	-	×
	DIP switch			○	○	-	×
	Toggle switch			○	○	-	×
	Rotary switch			×	×	-	×
	Power switch			△	△	-	×
	Tuner			×	×	-	×
	Volume			×	×	-	×
	Terminal			○	○	-	×
	Mechanical lubrication			○	○	-	○
Characteristics	Oil film strength		Pa	687	687	-	932
	Coefficient of friction			0.15	0.15	0.10	0.15
	Dropping points		℃	-	-	198	200 or higher
	Copperplate corrosive			○	○	○	○
	Feel			○	○	-	○
	Freeze resistance			○	○	-	△
	Fluidity resistance			△	△	-	○
Plastic compatibility	Polystyrene			×	×	○	○
	Polycarbonate			×	×	○	○
	Acrylic			×	×	○	○
	ABS			-	-	○	-
	Overall evaluation			×	×	○	○
Operating temperature range (Est.)			℃	0 to 80	0 to 80	-	-30 to 100
Remark(s)							

* - : Unmeasured
* The value listed in the property table is an example of a measured value and is not the guarantee level.
* Before using, confirm the adequacy and safety for the relevant application.