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# Materials Declaration

Part Name: Connector  
 Part Number: 172-015-112R001  
 Part Weight (kg): 0.00690

Environment Friendly Use Period: 10+ Years

RoHS TEST REPORT												
	Lead Pb		Mercury Hg		Cadmium Cd		Hexavalent Chromium Cr6		Polybrominated Biphenyls PBBs		Polybrominated Diphenyl ethers PBEs	
% Allowed	≤ 0.10		≤ 0.10		≤ 0.01		≤ 0.10		≤ 0.10		≤ 0.10	
Sub-Part Name	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Insulator	ND		ND		0.102	0.00	ND		ND		ND	
Shell	ND		ND		ND		ND		ND		ND	
Contacts	65.7	0.01	ND		ND		ND		ND		ND	
<b>Exemptions:</b>												

Sub-Part Name: Insulator  
 Sub-Part Weight (kg): 0.0016

Base Material: PBT

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Anthracene	120-12-7	204-371-1	0.005	ND
Benzyl butyl phthalate	85-68-7	201-622-7	0.005	ND
Dibutyl phthalate	84-74-2	201-557-4	0.005	ND
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.005	ND
HBCDD	25637-99 & 3194-55-6	247-148-4,	0.005	ND
4,4' Diaminodiphenylmethane	101-77-9	202-974-4	0.005	ND
Short Chain Chlorinated Paraffins	85535-84-8	287-476-5	0.01	ND
musk xylene	81-15-2	201-329-4	0.05	ND
Triethyl arsenate	15606-95-8	427-700-2	0.01	0.06%
Bis(tributyltin)oxide	56.35-9	200-268-0	0.05	ND
Cobalt dichloride	7646-79-9	231-589-4	0.01	ND
Diarsenic pentaoxide	1303-28-2	215-116-9	0.01	0.03%
Diarsenic trioxide	1327-53-3	215-481-4	0.01	0.03%
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3	0.01	ND
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	ND

Sub-Part Name: Insulator Continued  
 Sub-Part Weight (kg):

Base Material:

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Anthracene oil	90640-80-5	292-602-7	0.05	ND
Anthracene oil,paste,distn. Lights**	91995-17-4	295-278-5	0.05	ND
Anthracene oil, paste,fraction	91995-15-2	295-275-9	0.05	ND
Anthracene oil,anthracene-low	90640-82-7	292-604-8	0.05	ND
Anthracene oil,anthracene paste	90640-81-6	292-603-2	0.05	ND
Coal tar pitch, high temperature	65996-93-2	266-028-2	0.05	ND
Acrylamide	79-06-1	201-173-7	0.01	ND
Aluminosilicate,Refractory				
Ceramic Fibres		650-017-00-8**	0.05	ND
Zerconia Aluminoisilicate				
Refractory Ceramics Fibres		650-017-00-8**	0.05	ND
2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	ND
DiiobutuyI phthalate(DIBP)	84-69-5	201-553-2	0.005	ND
Lead Chromate	7785-97-6	231-846-0	0.05	ND
Lead Chromate molybdate sulphate red(CI pigment104)	12656-85-8	235-759-9	0.05	ND
Lead sulfochromate yellow (CI pigment yellow 34)	1344-37-2	215-693-7	0.05	ND
Tris(2-chloroetyl)posphate(TCEP)	115-96-8	204-118-5	0.01	ND

Sub-Part Name: Shell  
 Sub-Part Weight (kg): 0.00350

Base Material: Steel  
 Plating: Tin

REACH TEST REPORT				
SVHC	CAS number	EC number	D.L.	Test Results
Cobalt dichloride*	7646-79-9	231-584-4	0.01	ND
Diarsenic pentaoxide*	1302-28-2	215-116-9	0.01	ND
Diarsenic trioxide*	1327-53-3	215-481-4	0.01	ND
Sodium dichromate*	7789-12-0/10588-01-9	234-190-3	0.01	ND
Lead hydrogen arsenate	7784-40-9	232-064-2	0.01	ND
Triethyl arsenate	15606-95-8	427-700-2	0.01	ND
Aluminosilicate,refractory ceramic fibres		650-017-00-8**	0.05	ND
Zirconia aluminosilicate refractory ceramic fibres		650-017-00-8**	0.05	ND
Lead chromate	7758-97-6	231-846-0	0.05	ND
Lead chromate molybdate sulphate red chromate (C I pigment Red 104)	12656-85-8	235-759-9	0.05	ND
Lead sulfochromate yellow (C I pigment yellow 34)	1344-37-2	215-693-7	0.05	ND

Sub-Part Name: Contacts  
 Sub-Part Weight (kg): 0.001800

Base Material: Brass  
 Plating: Gold

REACH TEST RESULTS				
SVCH	CAS number	EC number	D.L.	Test Results
Cobalt dichloride*	7646-79-9	231-584-4	0.01	ND
Diarsenic pentaoxide*	1302-28-2	215-116-9	0.01	ND
Diarsenic trioxide*	1327-53-3	215-481-4	0.01	ND
Sodium dichromate*	7789-12-0/10588-01-9	234-190-3	0.01	ND
Lead hydrogen arsenic	7784-40-9	232-064-2	0.01	ND
Triethyl arsenic	15606-95-8	427-700-2	0.01	ND
Aluminosilicate,refractory ceramic fibres	_____	650-017-00-8**	0.05	ND
Zirconia aluminosilicate refractory ceramic fibres	_____	650-017-00-8**	0.05	ND
Lead chromate	7758-97-6	231-846-0	0.05	ND
Lead chromate molybdate sulphate red( C I pigment 104)	12656-85-8	235-759-9	0.05	ND
Lead sulfochromate yellow (C I pigment yellow 34)	1344-37-2	215-693-7	0.05	ND

- 1) The chemical analysis of 15 Substance of Very High Concern (SVHC) is performed by means of current available analytical techniques against the list published by ECHA on October 28, and shall refer to <http://echa.europa.eu/chem.data/candidate.list.table.en.asp>. This list is under evaluation by ECHA and subject to change.
- 2) In accordance with EC regulation No. 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of article 7, if a substance meets the criteria in article 57 and is identified in accordance with article 59(1) of the regulation, if (a) the substance is present in those articles in quantities totaling over one ton per producer or importer per year;d (b) the substance is present in those article above a concentration of 0.1% weight by weight (w/w).
- 3) Article 33 of EC regulation No. 1907/2006 requires suppliers of an article containing a substance meeting the criteria in article 57 and identified in accordance with article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including as a minimum, the name of the substance.

Notes:

mg/kg = ppm; 0.1wt% = 1,000ppm  
 N.D. = Not Detected; DL = Detection Limit  
 SVHC = Substance of Very High Concern

U.S. references:

EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996, EPA 3540C:1996, EPA 8270D:2007, DIN 38407-13, EN 14362-1%2:2003, EN 14372:2004, EPA 9056A:2007, EPA 3060A:1996 method. Analysis is performed by IC, UV, ICP-OES and GC-MS.