

PTC

Material Data Sheet

Product Class	Switching application for motor start, housing types B59xxxJ*						
Date IMDS ID	14.10.2019		_				
if available							
Version	5.03						
Product Part (IMDS: semi component)	Material Class (IMDS: Material)	Material (Classification) VDA 231	Substance	TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)
Active Part	Ceramic	3B	Ba-titanates Pb-titanates Sr-titanates Ca-titanates others*)	69 15 10 5	12047-27-7 12060-00-3 12060-59-2 12049-50-2	20.894	
Termination	Composite	4D	Ag Glass frit (lead-boro-silicate)	95 5	7440-22-4	0.3	
	Heavy Metal	1C14	Ni	100	7440-02-0	0.01	
	Heavy Metal	1C2	Cr	100	7440-47-3	0.006	
Contacts	Heavy Metal Iron & Steel incl. Alloys	1C12	CuSn6 Stainless Steel SUS 301	100		14.85 4.4	
Mica holder	Composite	4D	Muscovite Silicone	90 10		1.39	
Housing	Thermoplastic	2A	PBT GF FR(17)	100		58.15	
sizes [mm] 28 x 19 x 28 28 x 19 x 28 Not part of a Product	weight range [g] material numbers 15,7 B59506J0120A320 15,7 B59541J0135A210						
Contact	Ronner Christoph Important remarks:						
Division	PPD Q QM 1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Ti						906). Traces are
Address	8530 Deutschlandsberg	ı, AUSTRIA		product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise			
*) others: .(not declara **) typical mass percer	Tel: +43 3462 800 2139 ible or prohibited substan ntage of substance	mailto: functional.ppd-eqpm.db@ ces acc. GADSL)		herein. We express best present knowle specifications, unles AFFILIATES HERE WHETHER EXPRE AND VALUES CON REPRESENTATION PURPOSE.	al Data Sheet contains typica ily point out that all values an edge and cannot be regarded ss otherwise explicitly agreed BY EXPRESSLY DISCLAIM SS, IMPLIED OR STATUTO ITAINED HEREIN, INCLUDII N OR WARRANTY OF MERG	d statements contained he das binding statements or I in writing. TDK ELECTROM ANY REPRESENTATION RY, WITH REGARD TO TI NG BUT NOT LIMITED TO CHANTABILITY OR SUITA	rein are based on our binding product DNICS AG AND ITS OR WARRANTY, HE STATEMENTS ANY BILITY FOR ANY
			tible means that products are comperestriction of the use of certain ha				Directive 2011/65/EU
□ no exemptions; □ Exemption 6 (a): 1 □ Exemption 6 (b): 1 □ Exemption 7 (c): 1 □ Exemption 7 (c)-1: 1 □ Exemption 7 (c)-1: 1 □ Exemption 15: 1	Lead as an alloying element in Lead as an alloying element in Copper alloy containing up to Lead in high melting temperat Electrical and electronic comp Lead in dielectric ceramic in c Lead in dielectric ceramic in c	n steel for machining purposon aluminium containing up to 4 % lead by weight; ure type solder (i.e. lead-bas onents containing lead in a gapacitors for a rated voltage apacitors for a rated voltage viable electrical connection I	nnex III: (☑ valid ☐ not valid) es and in galvanized steel containing up 10.4 % lead by weight; sed alloys containing 85 % by weight or of glass or ceramic other than dielectric cer of 125 V AC or 250 V DC or higher; of less than 125 V AC or 250 V DC; between semiconductor die and carrier v	to 0,35 % lead by weigh more lead); amic in capacitors, e.g. [piezoelectronic devices, or in a gla	ass or ceramic matrix compoun	d;