

PTC Material Data Sheet

Product Class	Motor starting B59xxxA* 14.10.2019						
Date							
IMDS ID if available							
Version	5.11						
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 Sr-titanates Pb-titanates Ca-titanates others*)	69 10 15 5	12047-27-7 12060-59-2 12060-00-3 12049-50-2	98.5	
Termination	Composite	4D	Ag Glass frit (lead-boro-silicate)	95 5	7440-22-4	1.42	
	Heavy Metal Heavy Metal	1C14 1C2	Ni Cr	100 100	7440-02-0 7440-47-3	0.05 0.03	
				•	Sum of total	100	
sizes [mm] 15.5 x 2.5	weight range [g] 2.5	g] material numbers B59551A 135B* B59550A 135B*, B59556A*		sizes [mm] 16x 3.2 17.5 x 2.5	weight range [g] 2.8 3.2	material numbers B59590A* B59544A*	
16 x 2.5	2.7 B59536A*, B59545A*, B5 B59547A 135*, B59548A* B59549A 135*, B59598A* B59550A 135A*,		4*, B59546A* 548A*, B59557A*	19.5 x 3.2 19.5 x 2.5	5.1 4.0	B59196A120*, B59197A*, B59570A* B59192A*, B59196A 135*,B59501A*, B59502A*, B59507A*, B59520A*, B59521A*, B59522A*, B59524A*, B59543A 135*	
Not part of a Product (Class	B59551A 135A*		20.0 x 5.0	8.5	B59314A*	
Contact	Ronner Christoph						
Division	Ronner Christoph Important remarks: PPD Q QM						
		ALICTRIA		1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are product			
Address 8530 Deutschlandsberg, AUSTRIA parts, substances etc. that are below a percentage of 0.1 % by weight rel: mailto: purctional.ppd-eqpm.db@tdk-electronics.tdk.com *) others: (not declarable or prohibited substances acc. GADSL) **) typical mass percentage of substance *) typical mass percentage of substance **) typical mass percentage of substance ** ** ** ** ** ** ** ** **							set forth herein. We our best present diffications, unless FES HEREBY EXPRESS, IMPLIED AINED HEREIN,
European Parliament al RoHS - Exemptions fo no exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 7 (a): Exemption 7 (c)-II: Exemption 7 (c)-III: Exemption 7 (c)-III: Exemption 7 (c)-III: Exemption 15:	nd of the Council of June r the Product Class / P and as an alloying element in and as an alloying element in and as an alloying element in and in an alloying element in an an alloying element in an an alloying element in an an alloying element in and an an alloying and in dielectric ceramic in ce and in dielectric ceramic in ce and in dielectric ceramic in ce and in dielectric ceramic in ce	s 8th, 2011 on the restrict roduct according to An a steel for machining purpos a aluminium containing up to 4 % lead by weight; ure type solder (i.e. lead-baronents containing lead in a apacitors for a rated voltage apacitors for a rated voltage viable electrical connection	tible means that products are comp tition of the use of certain hazardou nnex III: (valid not valid) es and in galvanized steel containing up 10,4 % lead by weight; sed alloys containing 85 % by weight or 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 w	s substances in elect to 0,35 % lead by weigh more lead); ramic in capacitors, e.g.	rical and electronic equipme	int.	2011/65/EU of the