## **Chokes for Power Lines**



		D Core Double Choke B82731H2***A***							
Date		26.07.2021		_					
IMDS ID if availab	ole						T		
Version: 09			-						
Product Part (IMDS: semi component)		<b>ial Class</b> S: Material)	Material (Classification) VDA 231	Substance		TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)
Active Part	Ceramic		4B	Manganese Zine	c Ferrite	100	12645-49-7	36	
	Heavy Metal		1C	Cu		100	7440-50-8	47.5	
l I	Elastomer		2B	Polyurethane (P	UR)	100	68400-67-9	2.5	
Encapsulation	Thermoplastic Heavy Metal Heavy Metal		2A	Polycarbonate (	blycarbonate (PC) 89.8		25971-63-5		
and Mounting				Glass fiber		10	65997-17-3	12	
				PFBS Sn	0.2 29420-49-3 100 7440-31-5		0.5		
Tormination			10	-				0.0	
Termination			1C 1C	Cu Ni		62 18	7440-50-8 7440-02-0	1.4	
			10	Zn		20	7440-02-0		
						-			
	Heavy Metal Heavy Metal		10	Ni		100	7440-02-0	0.4	X
	Heavy	/ Metal	1C	Sn		100	7440-31-5 Sum in total:	0.1	
Size W x L x H [max. in mm] 15 x 21 x 20.5		ox. in g]	art Numbers 2731H2****A***						
[max. in mm]	[appr	ox. in g] 8 B8							
[max. in mm] 15 x 21 x 20.5 Not part of a Pro	[appr duct Cla	ox. in g] 8 B8	2731H2****A***		Important remarks:				
[max. in mm]           15 x 21 x 20.5           Not part of a Pro- Contact           Dr           Division	[appr duct Cla . Johanr DK Electi	ox. in g] 8 B8 Inss In Reindl, MAG E ronics AG, Magn	2731H2****A*** PQM etics Business Grou	ıp (MAG)	<ol> <li>The declaration limit is</li> </ol>		ned by IEC 62474 (I	EC PAS 61906) Tr	
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Ro	[appr duct Cla . Johanr )K Election osenhein	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t	2731H2****A*** PQM etics Business Grou o, 81669 Munich	ıp (MAG)	1) The declaration limit is product parts, substar otherwise regulated.	nces etc. that a	ned by IEC 62474 (I are below a percenta	EC PAS 61906) Tri age of 0.1 % by weig	ght, if not
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Ro	[appr duct Cla . Johanr DK Electi	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t	2731H2****A*** PQM etics Business Grou b, 81669 Munich mailto:		<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh</li> </ol>	nces etc. that a leet contains ty	ned by IEC 62474 (I are below a percenta /pical values of the I	EC PAS 61906) Tr age of 0.1 % by weig respective products	ght, if not set forth
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc Tel	[appr duct Cla . Johanr DK Electr Dsenhein : +49 89 5	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030	2731H2****A*** PQM etics Business Grou o, 81669 Munich	ctronics.tdk.com	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre</li> </ol>	nces etc. that a neet contains ty point out that esent knowledge	ned by IEC 62474 (I are below a percenta /pical values of the I all values and stater ge and cannot be re	EC PAS 61906) Tr age of 0.1 % by weig respective products nents contained her garded as binding s	ght, if not set forth ein are tatements or
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc Tel	[appr duct Cla . Johanr X Electr osenhein : +49 89 5	ox. in g] 8 B8 ISS In Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub	2731H2****A*** PQM etics Business Grou b, 81669 Munich mailto: johann.reindl@tdk-ele	ctronics.tdk.com	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly</li> </ol>	nces etc. that a point out that a esent knowledg fications, unlea ND ITS AFFIL OR WARRAN REGARD TO & BUT NOT LII	ned by IEC 62474 (I are below a percenta /pical values of the I all values and stater ge and cannot be re ss otherwise explicit JATES HEREBY ES TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI	EC PAS 61906) Tr age of 0.1 % by weig respective products nents contained her garded as binding s ly agreed in writing. VPRESSLY DISCLA PRESS, IMPLIED OI PRESS. IMPLIED OI PRESENTATION O	ght, if not set forth ein are tatements or TDK JM ANY R NTAINED R
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc Tel *) others: .(not dec **) typical mass per The products set	[appr duct Cla Johann DK Electr Ssenhein : +49 89 5 clarable ercentag	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub e of substance erein are "RoHS	2731H2****A*** PQM etics Business Grou b, 81669 Munich maito: johann.reindl@tdk-ele stances acc. GADS S-compatible". RoHS	ctronics.tdk.com L) S-compatible means	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specil ELECTRONICS AG A REPRESENTATION ( STATUTORY, WITH I HEREIN, INCLUDING</li> </ol>	nces etc. that a point out that is point out that is sent knowledg fications, unles ND ITS AFFIL OR WARRAN REGARD TO B BUT NOT LII RCHANTABILI ith the requirer	ned by IEC 62474 ( are below a percenta /pical values of the I all values and stater ge and cannot be re ss otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI TY OR SUITABILIT ments according to J	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s y agreed in writing. KPRESSLY DISCLA RESS, IMPLIED O AND VALUES COI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re	ght, if not set forth ein are tatements or TDK JM ANY R NTAINED R SSE. strictions) of
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc Tel *) others: .(not dec **) typical mass per The products set Directive 2011/65/EU	[appr duct Cla Johann X Electr ssenhein +49 89 5 clarable ercentag	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub e of substance erein are "RoHS uropean Parliamen	2731H2****A*** PQM etics Business Grou b, 81669 Munich maito: johann.reindl@tdk-ele stances acc. GADS S-compatible". RoHS	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specil ELECTRONICS AG A REPRESENTATION ( STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEE that products are compatible wi e restriction of the use of certain</li> </ol>	nces etc. that a point out that is point out that is sent knowledg fications, unles ND ITS AFFIL OR WARRAN REGARD TO B BUT NOT LII RCHANTABILI ith the requirer	ned by IEC 62474 ( are below a percenta /pical values of the I all values and stater ge and cannot be re ss otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI TY OR SUITABILIT ments according to J	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s y agreed in writing. KPRESSLY DISCLA RESS, IMPLIED O AND VALUES COI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re	ght, if not set forth ein are tatements or TDK JM ANY R NTAINED R SSE. strictions) of
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Ra Tel *) others: .(not dea **) typical mass per The products set Directive 2011/65/EU RoHS - Exemption ☑ no exemptions; □ Exemption 6 (a): L	[appr duct Cla Johann DK Electr senhein : +49 89 5 clarable of ercentag	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub e of substance erein are "RoHS uropean Parliamen he Product Class alloying element in st	2731H2****A*** PQM etics Business Grou b, 81669 Munich maito: johann.reindl@tdk-ele stances acc. GADS 6-compatible". RoHS t and of the Council of as / Product accord bel for machining purposes	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th <b>ling to Annex III:</b> and in galvanized steel	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specil ELECTRONICS AG A REPRESENTATION ( STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEE that products are compatible wi e restriction of the use of certain</li> </ol>	nces etc. that a point out that is sent knowled fications, unles ND ITS AFFIL OR WARRAN REGARD TO 0 B BUT NOT LII RCHANTABILI th the requirer n hazardous s	ned by IEC 62474 ( are below a percenta /pical values of the I all values and stater ge and cannot be re ss otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI TY OR SUITABILIT ments according to J	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s y agreed in writing. KPRESSLY DISCLA RESS, IMPLIED O AND VALUES COI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re	ght, if not set forth ein are tatements or TDK IM ANY R NTAINED R SSE. strictions) of
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc Tel *) others: .(not dec **) typical mass pe The products set Directive 2011/65/EU RoHS - Exemption ⊆ no exemptions; □ Exemption 6 (a): L □ Exemption 6 (b): L	[appr duct Cla Johann DK Electr Senhein +49 89 5 clarable ercentag	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub e of substance erein are "RoHS uropean Parliamen he Product Class alloying element in sta alloying element in	2731H2****A*** PQM etics Business Grou b, 81669 Munich maito: johann.reindl@tdk-ele stances acc. GADS G-compatible". RoH3 t and of the Council of ss / Product accord eel for machining purposes uminium containing up to 0	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th <b>ling to Annex III:</b> and in galvanized steel	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specif ELECTRONICS AG A REPRESENTATION (STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEF that products are compatible wi e restriction of the use of certain ( ☑ valid □ not valid )</li> </ol>	nces etc. that a point out that is sent knowled fications, unles ND ITS AFFIL OR WARRAN REGARD TO 0 B BUT NOT LII RCHANTABILI th the requirer n hazardous s	ned by IEC 62474 ( are below a percenta /pical values of the I all values and stater ge and cannot be re ss otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI TY OR SUITABILIT ments according to J	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s y agreed in writing. KPRESSLY DISCLA RESS, IMPLIED O AND VALUES COI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re	ght, if not set forth ein are tatements or TDK IM ANY R NTAINED R SSE. strictions) of
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc **) others: .(not dec **) typical mass pe The products set Directive 2011/65/EU RoHS - Exemption ⊆ no exemptions; □ Exemption 6 (a): L □ Exemption 6 (b): L	[appr duct Cla Johann X Electr senhein +49 89 5 clarable ercentag	ox. in g] 8 B8 ass n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub e of substance erein are "RoHS uropean Parliamen he Product Class alloying element in sta	2731H2****A*** PQM etics Business Grou b, 81669 Munich maito: johann.reindl@tdk-ele stances acc. GADS G-compatible". RoH3 t and of the Council of ss / Product accord eel for machining purposes uminium containing up to 0	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th <b>ling to Annex III:</b> and in galvanized steel ,4 % lead by weight;	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specif ELECTRONICS AG A REPRESENTATION (STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEF that products are compatible will e restriction of the use of certain ( I valid □ not valid )</li> <li>containing up to 0,35 % lead by weight</li> </ol>	nces etc. that a point out that is sent knowled fications, unles ND ITS AFFIL OR WARRAN REGARD TO 0 B BUT NOT LII RCHANTABILI th the requirer n hazardous s	ned by IEC 62474 ( are below a percenta /pical values of the I all values and stater ge and cannot be re ss otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI TY OR SUITABILIT ments according to J	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s y agreed in writing. KPRESSLY DISCLA RESS, IMPLIED O AND VALUES COI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re	ght, if not set forth ein are tatements or TDK IM ANY R NTAINED R SE. Strictions) of
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc **) others: .(not dec **) typical mass pe The products set Directive 2011/65/EU RoHS - Exemption © no exemptions; Exemption 6 (a): L Exemption 6 (b): L Exemption 6 (c): C Exemption 7 (a): L Exemption 7 (c)-L; E	[appr duct Cla Johann X Electro senhein +49 89 5 clarable ercentag forth hi J of the El ercentag	ox. in g] 8 B8 ss n Reindl, MAG E ronics AG, Magn ner Strasse 116t 4020 3030 or prohibited sub e of substance erein are "RoHS uropean Parliamen he Product Class alloying element in sh alloying element in sh alloying up to 4 % n melting temperature nd electronic componen	2731H2****A*** PQM etics Business Grou b, 81669 Munich mailto: johann.reindl@tdk-ele stances acc. GADS G-compatible". RoH3 t and of the Council of ss / Product accord eel for machining purposes uminium containing up to 0 lead by weight; type solder (i.e. lead-base ents containing lead in a gla	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th <b>ling to Annex III:</b> and in galvanized steel ,4 % lead by weight; d alloys containing 85 % ass or ceramic other than	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specific ELECTRONICS AG A REPRESENTATION (STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEE that products are compatible with e restriction of the use of certain ( ☑ valid □ not valid )</li> <li>containing up to 0,35 % lead by weight or more lead);</li> <li>n dielectric ceramic in capacitors, e.g.</li> </ol>	nces etc. that a point out that is sent knowled fications, unles NND ITS AFFIL OR WARRAN REGARD TO 1 B BUT NOT LII RCHANTABILI ith the requirer n hazardous s	ned by IEC 62474 (I are below a percenta /pical values of the r all values and stater ge and cannot be re so otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS MITED TO ANY REI TY OR SUITABLICT Y OR SUITABLICT ubstances in electric	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s ly agreed in writing. KPRESSLY DISCLA PRESS, IMPLIED OI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re cal and electronic ec	ght, if not set forth ein are tatements or TDK IM ANY R TTAINED R STAINED SE. strictions) of juipment.
[max. in mm] 15 x 21 x 20.5 Not part of a Pro- Contact Dr Division TE Address Rc **) others: .(not dec **) typical mass pe The products set Directive 2011/65/EU RoHS - Exemption © no exemptions; Exemption 6 (a): L Exemption 6 (b): L Exemption 6 (c): C Exemption 7 (c)-L Exemption 7 (c)-L Exemption 7 (c)-L	[appr duct Cla Johann X Electro senhein +49 89 5 clarable ercentag forth hi J of the El ercentag forth hi J of the El ercentag ead as an copper allo .ead in higt Electrical ar .ead in diel	ox. in g] 8 B8 8 B8 9 B8 9 B8 9 B8 9 B8 9 B8 9 B8	2731H2****A*** PQM etics Business Grou b, 81669 Munich mailto: johann.reindl@tdk-ele stances acc. GADS G-compatible". RoH3 t and of the Council of ss / Product accord eel for machining purposes uminium containing up to 0 lead by weight; type solder (i.e. lead-base ents containing lead in a gla citors for a rated voltage o	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th <b>ling to Annex III:</b> and in galvanized steel ,4 % lead by weight; d alloys containing 85 % ass or ceramic other than f 125 V AC or 250 V DC	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specific ELECTRONICS AG A REPRESENTATION (STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEE that products are compatible wire restriction of the use of certain ( ☑ valid □ not valid )</li> <li>containing up to 0,35 % lead by weight or more lead); n dielectric ceramic in capacitors, e.g or higher;</li> </ol>	nces etc. that a point out that is sent knowled fications, unles NND ITS AFFIL OR WARRAN REGARD TO 1 B BUT NOT LII RCHANTABILI ith the requirer n hazardous s	ned by IEC 62474 (I are below a percenta /pical values of the r all values and stater ge and cannot be re so otherwise explicit IATES HEREBY EX TY, WHETHER EXF THE STATEMENTS MITED TO ANY REI TY OR SUITABLICT Y OR SUITABLICT ubstances in electric	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s ly agreed in writing. KPRESSLY DISCLA PRESS, IMPLIED OI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re cal and electronic ec	ght, if not set forth ein are tatements or TDK IM ANY R NTAINED R DSE. Strictions) of juipment.
[max. in mm]         15 x 21 x 20.5         Not part of a Pro- Contact         Division         Tel         Address         Rc         Tel         *) others: .(not dec         **) typical mass per         The products set         Directive 2011/65/EU         RoHS - Exemption         □ Exemption 6 (a):         □ Exemption 6 (b):         □ Exemption 7 (a):         □ Exemption 7 (c)-11:         □ Exemption 7 (c)-11:         □ Exemption 7 (c)-11:	[appr duct Cla Johann X Electr bsenhein +49 89 5 clarable ercentag forth hi J of the El ercentag forth hi J of the El ercentag ercentag ercentag and for the Lead as an copper allo ead in higt electrical ar ead in diel ead in diel	ax. in g]         8       B8         ass       ass         n Reindl, MAG E         ronics AG, Magn         ner Strasse 116t         4020 3030         or prohibited sub         e of substance         erein are "RoHS         uropean Parliamen         he Product Class         alloying element in all         y containing up to 4 %         n melting temperature         nd electronic compone         ectric ceramic in capa         ectric ceramic in capa	2731H2****A*** PQM etics Business Grou b, 81669 Munich mailto: johann.reindl@tdk-ele stances acc. GADS G-compatible". RoH3 t and of the Council of ss / Product accord eel for machining purposes uminium containing up to 0 lead by weight; type solder (i.e. lead-base ents containing lead in a gla citors for a rated voltage o citors for a rated voltage o	ctronics.tdk.com L) S-compatible means June 8 <sup>th</sup> , 2011 on th <b>ling to Annex III:</b> and in galvanized steel ,4 % lead by weight; d alloys containing 85 % ass or ceramic other than f 125 V AC or 250 V DC f less than 125 V AC or 25	<ol> <li>The declaration limit is product parts, substar otherwise regulated.</li> <li>This Material Data Sh herein. We expressly based on our best pre binding product specific ELECTRONICS AG A REPRESENTATION (STATUTORY, WITH I HEREIN, INCLUDING WARRANTY OF MEE that products are compatible wire restriction of the use of certain ( ☑ valid □ not valid )</li> <li>containing up to 0,35 % lead by weight or more lead); n dielectric ceramic in capacitors, e.g or higher;</li> </ol>	nces etc. that a point out that is sent knowled fications, unles ND ITS AFFIL OR WARRAN REGARD TO B BUT NOT LII RCHANTABILI ith the requirer n hazardous s ght;	ned by IEC 62474 (I are below a percenta /pical values of the I all values and stater ge and cannot be re so otherwise explicit IATES HEREBY E2 TY, WHETHER EXF THE STATEMENTS WITED TO ANY REI TY OR SUITABILIT ments according to / ubstances in electric	EC PAS 61906) Tr age of 0.1 % by weig respective products ments contained her garded as binding s ly agreed in writing. KPRESSLY DISCLA PRESS, IMPLIED OI PRESENTATION O Y FOR ANY PURPC Art. 4 (substance re cal and electronic ec	ght, if not set forth ein are tatements or TDK IM ANY R NTAINED R DSE. Strictions) of juipment.