

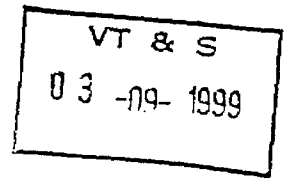


CSA INTERNATIONAL

Standards  
Development

QMI  
Management Systems Registration

Certification  
and Testing



File No. 86645  
August 27th, 1999

Mr. Becar, Quality Engineer Logistics  
S.A. BC Components N.V.  
Av. Franz Guillaumelaan 70  
Brusseis 1140  
BELGIUM

Re: **CHANGE IN COMPANY NAME & FACTORY #1 NAME**  
**From: Philips Components Industrial S.A.**  
**To: S.A. BC Components N.V.**

Dear Mr. Becar:

As per correspondence dated January 26, 1999; the above change has been completed.

**Please sign one (1) of the Product Service Agreements and return to the undersigned.** The other should be retained for your records.

**PLEASE NOTE:** In order to keep your certification current, please return the Product Service Agreement within thirty (30) days.

Thank you for your attention to this matter.

Yours truly,

Mrs. Beryl Chapman  
Agreement Section

Tel: (416) 747-4029

c: Mr. Ain Rosin - EASTERN REGION  
c: Mr. M. Hillebregt - KEMA - NETHERLANDS



REPLACES  
Page No:  
Page Date:  
Appl. No:

REPORT NO: LR 86645-1  
Page No: 2  
Date Issued: November 30, 1989  
Application No: LR 86645-i

Issued By: T. La, B. Eng.

DECLARATION

The product, as described in this report, complies with:

CSA Standard C22.2 No 0-M1982 - General Requirements - Canadian Electrical Code, Part II  
1-M1981 - Radio, Television and Electronic Apparatus

MARKINGS

Submittor's identification, type designation, complete electrical rating, date code or equivalent, CSA Monogram to appear in permanent markings.

ALTERATIONS

Markings as stated above.

FACTORY TESTS: Not Required

Warning: The factory test(s) specified may present a hazard of injury to personnel and/or property and should only be performed by persons knowledgeable of such hazards and under conditions designed to minimize the possibility of injury.

DESCRIPTION

General: Series 2322 are zinc oxide surge suppression varistors with max continuous voltage ranged from 130V rms to 550V rms and with maximum energy dissipation of 20 joules and higher.

The list of acceptable Varistors is shown in Attachment 1.

September 21, 1990

ATTACHMENT I

Code number	Maximum continuous voltage		Voltage at 1 mA		Max. voltage at Class current (8x20 μs)		MAXIMUM ENERGY (10x1000 μs)	Max. withstand. surge current (8x20μs 1 time)	Typical capacitance at 1 kHz	T <sub>max</sub> mm
	V <sub>rms</sub>	V <sub>dc</sub>	Minimum	Maximum	V	A				
2322 *										
<del>592</del> 9506					230	5	3,4	400	180	4,1
<del>593</del> 9506	95	125	135	165	250	10	8	1200	450	4,1
<del>594</del> 59506					250	25	16	2500	800	4,4
<del>595</del> 59506					250	50	30	4500	1500	4,4
<del>592</del> 1316					310	5	4,7	400	130	4,2
<del>593</del> 1316	130	170	185	225	340	10	11,4	1200	320	4,2
594 51316					340	25	20	2500	580	4,6
595 51316					380	50	38	4500	1050	4,6
<del>592</del> 1516					395	5	5,5	400	110	4,4
<del>593</del> 1516	150	200	216	264	400	10	19	1200	270	4,4
594 51516					400	25	25	2500	400	4,8
595 51516					400	50	45	4500	850	4,8
<del>592</del> 1716					410	5	6,2	400	90	4,6
<del>593</del> 1716	175	225	247	303	455	10	15	1200	230	4,6
594 51716					455	25	30	2500	430	5,0
595 51716					455	50	55	4500	750	5,0
<del>592</del> 2316					560	5	8	400	70	4,9
593 2316	230	300	324	396	600	10	20	1200	170	4,9
594 52316					600	25	35	2500	320	5,4
595 52316					600	50	70	4500	540	5,4
<del>592</del> 2516					600	5	8,6	400	60	4,9
593 2516	250	320	351	429	650	10	21	1200	160	4,9
<del>594</del> 52516					650	25	40	2500	300	5,4
595 52516					650	50	72	4500	480	5,4

Code numbers  
2322, 592, 593, 594  
and 595 . . . . 6  
6TG 4941 43,44,46&47

CSA

PHILIPS

ATTACHMENT I (continued)

Code number	Maximum continuous voltage		Voltage at 1 mA		Max. voltage at class current (8x20 µs)		Maximum energy (10x1000 µs)	Max. withstand. surge current (8x20µs 1 time)	Typical capacitance at 1 kHz	T <sub>max</sub> mm
	V <sub>rms</sub>	V <sub>dc</sub>	Minimum	Maximum	V	A				
2322 *										
592 .2716					695	5	9,8	400	55	4,9
593 .2716	275	350	387	473	710	10	23	1200	140	4,9
594 52716					710	25	45	2500	270	5,4
595 52716					710	50	75	4500	440	5,4
592 .3016					750	5	10	400	50	5,3
593 .3016	300	385	423	517	800	10	25	1200	130	5,3
594 53016					800	25	50	2500	240	5,9
595 53016					800	50	90	4500	400	5,9
592 .3816					1000	5	14	400	40	5,9
593 .3816	385	505	558	682	1025	10	28	1200	95	5,8
594 53816					1025	25	45	2500	180	6,6
595 53816					1025	50	85	4500	280	6,6
592 .4216					1100	5	16	400	35	5,9
593 .4216	420	560	612	748	1120	10	30	1200	85	5,9
594 54216					1120	25	46	2500	165	6,6
595 54216					1120	50	90	4500	250	6,6
592 .4616					1200	5	20	400	30	6,0
593 .4616	460	615	675	825	1240	10	32	1200	75	6,0
594 54616					1240	25	50	2500	150	6,6
595 54616					1240	50	100	4500	225	6,6
594 55116	510	670	738	902	1355	25	55	2500	135	6,9
595 55116					1355	50	110	4500	210	6,9
594 55516	550	745	819	1001	1500	25	60	2500	120	7,0
595 55516					1500	50	120	4500	180	7,0