



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx LCI 09.0013X Issue No.: 0 Certificate history:

Status: Current

Date of Issue: 2009-03-16 Page 1 of 3

Applicant: **RÉGULATEURS GEORGIN**
14/16 RUE PIERRE SEMARD
92320 CHATILLON
France

Electrical Apparatus: Converters
Optional accessory:

Type of Protection: [ia] or [iaD]

Marking: [EX ia] I or [EX ia] IIC or [EX ia] IIB or [EX iaD] I or [EX iaD] IIC or [EX iaD] IIB
Tamb max = + 60° C for BX... and R... models
Uo=...*, Io=...*, Po=...*, Lo=...* or
Ui=...*, Ii=...*, Pi=...*, Li=...*
(*see Conditions of certification)

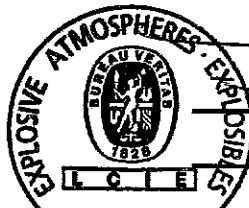
Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

CERTIFICATION MANAGER

Signature:
(for printed version)



16 MARS 2009

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





IECEx Certificate of Conformity

Certificate No.: IECEx LCI 09.0013X

Date of Issue: 2009-03-16

Issue No.: 0

Page 2 of 3

Manufacturer: **RÉGULATEURS GEORGIN**
14/16 RUE PIERRE SEMARD
92320 CHATILLON
France

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-11 : 2005 Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'iD'

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FR/LCI/ExTR09.0013/00

Quality Assessment Report:

FR/LCI/QAR09.0004/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The converters type BE, CE, BX, R and 58G are used for signals processing, from explosive atmosphere. The first function of these converters is to ensure a galvanic insulation between electrical signals coming from explosive area and safe area. The second function (optional) is to convert value and characteristic of the electrical signals (for example : to convert voltage to current, 4-20 mA range to 0-20 mA...etc)
The converters are associated material placed in safe area.

CONDITIONS OF CERTIFICATION: YES as shown below:

see attached document : Specific parameters (5 Pages)

Annexe: SpecificParameters.pdf



Certificate n°..... IECEx LCI 09.0013X Date 2009/03/16

Applicant : REGULATEURS GEORGIN
 Product range : Converters
 Type..... : BE..., CE..., BX..., R..., 58G...

ANNEX : SPECIFIC PARAMETERS

The apparatus are “intrinsically safe associated electrical material” and must not be installed in potentially explosive atmospheres.

The apparatus must only be connected to IS certified equipment, which complies with the IEC 60079-11 Ed.5 standard; these association must be compatible as far as intrinsic safety is concerned.

The electrical equipment parameters L and C (including the connecting cables) which may be connected to the output terminals must not exceed the following values:

Type	Bornes / terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)	
					IIC	IIB	IIC	IIB
BEA1...	H/J	23,5	83	510	132	980	4,0	17
BEA2...			85	370			9,5	32
BEAI2...			83	510			4,0	17
CEA1...	23c/25c 30c/32c		83	510			4,0	17
CEA2...			85	370			9,5	32
CEAI2...			83	510			4,0	17
BXNA1...	H/J	23,5	97	560	132	980	5	20
58GO-1...			85	460			9	32
BXNA2...			97	560			5	20
58GO-2...								
BEC...	H/J (E2) J/L (E1)	12,5	2,4	7	1200	7700	1000	1000
CEC...	23c/24c (E2) 30c/31c (E2)		2,4	7				
	24c/25c (E1) 31c/32c (E1)		4,1	34				
BXNC...	H/J (E2)	12,5	5,1	33	1200		1000	
58GC...	J/L (E1)		2,4	15				



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 Type..... : BE..., CE..., BX..., R..., 58G...

Type	Bornes / terminals	U ₀ (V)	I ₀ (mA)	P ₀ (mW)	C ₀ (nF)		L ₀ (mH)	
					IIC	IIB	IIC	IIB
BXNP.../ 68GT-...	H/J (E1)	12,5	80	600	1200		5	
	J/L (E2)		2,4	15			1000	
BER...	H/J (E1)	12,5	14,6	130	1200	7700	150	500
	J/L (E2)		16,2	120			130	450
CER...	23c/24c (E1)	12,5	14,6	130	1200	7700	150	500
	30c/31c (E1)							
	24c/25c (E2)							
	31c/32c (E2)		16,2	120			130	450
BXNR.../ 58GR-...	H/J (E1)	12,5	11	66	1200	300		
	J/L (E2)		12	75				
BET1...	H/J (E1)	23,5	62	350	132	980	8,5	30
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET2...	H/J (E1)	23,5	77	690	132	980	6	25
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET3...	H/J (E1)	23,5	68	480	132	980	10	35
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET4...	H/J (E1)	23,5	66	420	132	980	9	32
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET5...	H/J (E1)	20,9	95	700	188	1270	4	14
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
CET1...	23c/24c (E1)	23,5	62	350	132	980	8,5	30
	30c/31c (E1)							
	24c/25c (E2)							
	31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET2...	23c/24c (E1)	23,5	77	690	132	980	6	25
	30c/31c (E1)							
	24c/25c (E2)							
	31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET3...	23c/24c (E1)	23,5	68	480	132	980	10	35
	30c/31c (E1)							
	24c/25c (E2)							
	31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET4...	23c/24c (E1)	23,5	66	420	132	980	9	32
	30c/31c (E1)							
	24c/25c (E2)							
	31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET5...	23c/24c (E1)	20,9	95	700	188	1270	4	14
	30c/31c (E1)							
	24c/25c (E2)							
	31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000



L C I E

Certificate n°.....

IECEX LCI 09.0013X

Date 2009/03/16

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 Product range : Converters
 Type : BE..., CE..., BX..., R..., 58G...

Type	Bornes / terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)			
					IIC	IIB	IIC	IIB		
BEE01.../ BXNE01.../ 58GD-01...	J-H/L J-H/M J-H/P J-H/R	23,5	160	1300	132	980	1	5,5		
BEE02.../ BXNE02.../ 58GD-02...			150	1150			1,5	6,5		
BEE03.../ BXNE03.../ 58GD-03...			130	1100			2	8,5		
BEE04.../ BXNE04.../ 58GD-04...			110	900			3	11		
BEE05.../ BXNE05.../ 58GD-05...			87	750			4	17		
BEE06.../ BXNE06.../ 58GD-06...			78	690			6	25		
BEE07.../ BXNE07.../ 58GD-07...		28,3	80	710	97	740	5,5	17		
BEE08.../ BXNE08.../ 58GD-08...		28,3	105	900	132	980	3	11		
BEE09.../ BXNE09.../ 58GD-09...		23,5	64	590			9	32		
BEE10.../ BXNE10.../ 58GD-10...		28,3	40	390	97	740	25	80		
BEE11.../ BXNE11.../ 58GD-11...		28,3	70	630	14500	240000	0,9	4		
BEE31.../ BXNE31.../ 58GD-31...		7,2	185	620					1000	6200
BEE34.../ BXNE34.../ 58GD-34...		13	1250	1000					6200	
BEE36.../ BXNE36.../ 58GD-36...		13,1	142	600	970	6000	3	10		
BEE37.../ BXNE37.../ 58GD-37...		16,1	270	2150	451	2690	0,9	3		
CEE01...		31a-31c/30c 31a-31c/30a 31a-31c/32c 31a-31c/32a	23,5	160	1300	132	980	1	5,5	
CEE02...	150			1150	1,5			6,5		
CEE03...	130			1100	2			8,5		
CEE04...	110			900	3			11		
CEE05...	87			750	4			17		
CEE06...	78			690	6			25		
CEE07...	28,3		80	710	97	740	5,5	17		
CEE08...	28,3		105	900	132	980	3	11		
CEE09...	23,5		64	590			9	32		
CEE10...	28,3		40	390	97	740	25	80		
CEE11...	28,3		70	630	14500	240000	0,9	4		
CEE31...	7,2		185	620					1000	6200
CEE34...	13		1250	1000					6200	
CEE36...	13,1		142	600	970	6000	3	10		
CEE37...	16,1		270	2150	451	2690	0,9	3		



L C I E

Certificate n°..... IECEx LCI 09.0013X

Date 2009/03/16

Applicant : REGULATEURS GEORGIN
 Product range..... : Converters
 Type..... : BE..., CE..., BX..., R..., 58G...

Type	Bornes/ terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)		
					IIC	IIB	IIC	IIB	
BEE41.../ BXNE41.../ 58GD-41...	J-H/L J-H/M J-H/P J-H/R	19,5	170	1640	240	1490	0,1	0,4	
BEE42.../ BXNE42.../ 58GD-42...		27,9	76	496	84	654	5	19	
BEE49.../ BXNE49.../ 58GD-49...		24,1	87	496	124	920	5	19	
BEE50.../ BXNE50.../ 58GD-50...		27,4	112	737	87	677	2,5	10	
BEE61.../ BXNE61.../ 58GD-61...		15,0	272	7473	-	3550	-	0,05	
BEE62.../ BXNE62.../ 58GD-62...		11,2	75	197	1840	12800	5	19	
BEE63.../ BXNE63.../ 58GD-63...		19,3	149	697	248	1520	0,9	3,6	
BEE64.../ BXNE64.../ 58GD-64...		27,4	109	717	87	677	2	8	
BEE65.../ BXNE65.../ 58GD-65...		25,0	147	887	110	840	1,5	7	
BEE66.../ BXNE66.../ 58GD-66...		25,0	170	1119	-		-	5	5
BEE69.../ BXNE69.../ 58GD-69...		25,0	93	552	110	840	4	16	
BEE70.../ BXNE70.../ 58GD-70...		27,9	110	733	84	654	2	8	
BEE71.../ BXNE71.../ 58GD-71...		26,8	119	766	92	720	1,8	7,2	
BEE73.../ BXNE73.../ 58GD-73...		8,9	170	483	5200	43000	0,5	2	
BEE74.../ BXNE74.../ 58GD-74...		26,0	88	398	110	840	8	30	
BEE76.../ BXNE76.../ 58GD-76...		15	272	3375	580	3550	0,3	3	
BEI.A1./ BXNI A1../ 58GN-.A1..		H/J L/M P/R S/T	17,7	50	220	330	1880	15	50
BEI.A2./ BXNI A2../ 58GN-.A2..				60	270			10	40
BEI.A3./ BXNI A3../ 58GN-.A3..				75	330			6	25
BEI.A4./ BXNI A4../ 58GN-.A4..				100	440			4	17
BEI.A5./ BXNI A5../ 58GN-.A5..	150			660	1,6			6	
BEI.A6./ BXNI A6../ 58GN-.A6..	140			310	2			8,5	
BEI.A7./ BXNI A7../ 58GN-.A7..	120			530	2,4			10	
CEI.A1..	23c/25c 30c/32c 23a/25a 30a/32a	17,7	50	220	330	1880	15	50	
CEI.A2..			60	270			10	40	
CEI.A3..			75	330			6	25	
CEI.A4..			100	440			4	17	
CEI.A5..			150	660			1,6	6	
CEI.A6..			140	310			2	8,5	
CEI.A7..			120	530			2,4	10	
BEP...	H/J (E1)	12,5	85	650	1200	7700	4	17	
	J/L (E2)		31	260			35	150	
CEP...	23c/24c (E1)		85	650			4	17	
	30c/31c (E1)		31	260			35	150	
24c/25c (E2)									
	31c/32c (E2)								



Certificate n°..... IECEx LCI 09.0013X Date 2009/03/16

Applicant : REGULATEURS GEORGIN
 Product range : Converters
 Type..... : BE..., CE..., BX..., R..., 58G...

Type	Bornes / terminals	U _o (V)	I _o (mA)	P _o (mW)	C _o (nF)		L _o (mH)	
					IIC	IIB	IIC	IIB
BXNT1.../ 58GS-1...	H/J (E1)	23,5	57	400	132		7,5	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT2...	H/J (E1)	23,5	55	390	132		9	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT3...	H/J (E1)	23,5	53	360	132		9,5	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT4...	H/J (E1)	23,5	51	360	132		10	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT5...	H/J (E1)	20	70	550	220		5	
	J/L (E2)	12,5	2,4	15	1200		1000	
BETI2...	H/J (E1)	26,3	73	650	97	740	6,5	28
	J/L (E2)	12,5	2,4	7	1200	7700	1000	1000
CETI2...	23c/24c (E1)	26,3	73	650	97	740	6,5	28
	30c/31c (E1)							
	24c/25c (E2)	12,5	2,4	7	1200	7700	1000	1000
BXNTI2.../ 58GS-2	H/J (E1)	26,3	70	600	97	740	5,5	22
	J/L (E2)	12,5	2,4	25	1200	7700	1000	1000
BED310.../ RDN310.../ 58GI-310.../ BED410.../ RDN410.../ 58GI-410...	J/H, L/M, P/R, S/T	8,6	9	19	6200	55000	350	1000
BED...O/ 58GI...O/ RDN...O.	J/H L/M	12	25	150	1410	9000	45	135
BED...L/ 58GI...L/ RDN...L.			5	15			1000	1000
BED...A/ 58GI...A/ RDN...A.			20	120			60	135
BED...M/ 58GI...M/ RDN...M.			25	150			45	135
CED...A.			5	15			1000	1000
CED...M.	23a/25a, 25c/24a, 23c/24c, 32a/30c, 32c/31a, 31c/30a	12	20	120	1410	9000	60	300
BXMT1.../ 58GM-221.../ BXMTI2.../ 58GM-222...	H/J, M/P	27,5	80,1	550,72	86	672	2,8	4,2
	J/L, P/R	11	1,1	3,06	1970	13800	100	150
BXLTI1.../ 58GM-121.../ BXLTI2.../ 58GM-122.../ BXKTI1.../ BXKTI2.../ BXNT6.../ 58GM-111.../ BXNTI6.../ 58GM-112...	H/J	27,5	80,1	550,72	86	672	2,8	4,2
	J/L	11	1,1	3,06	1970	13800	100	150

Type	Bornes / terminals	U _o (V)	I _o (mA)	P _o (mW)	C _o (nF)		L _o (mH)	
					IIC	IIB	IIC	IIB
RDN210V.../ 58GI210V.../ RDN210W.../ 58GI210W.../ RDN211V.../ 58GI211V.../ RDN211W.../ 58GI211W.../ RDN213V.../ 58GI213V.../ RDN213W.../ 58GI213W...	<p>Les bornes "SI" ne doivent être raccordées qu'à des circuits de sécurité intrinsèque dont la tension n'exécède pas 60V (valeur de crête) pour les modèles à relais et dont la valeur du courant n'exécède pas 100mA (valeur efficace) pour les modèles à optocoupleurs.</p> <p>Si les contacts des relais sont insérés dans un circuit non de SI, les valeurs des courants et des tensions établies en fonctionnement normal, ne doivent pas dépasser respectivement 5A et 250V (valeurs efficaces), et de la valeur de la puissance apparente ne doit pas dépasser 100VA.</p> <p><i>The «SI» terminals must only be connected to intrinsically safe circuits with a maximum tension of 60V (peak value) for models with relays, and with a maximum current of 100mA (rms) for models with optocouplers.</i></p> <p><i>If the relays points are inserted in a non intrinsically safe circuit, the NSI circuit electrical parameters must not exceed in normal operation the following values 5A (rms), 250V (rms) and 100VA (apparent power).</i></p>							
BXNI,T/ 58GN.T	$U_i \leq 68V, I_i \leq 100mA, C_i = 0, L_i = 0$							



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 Status: **Current**
 Date of Issue: **2009-08-03** Page 1 of 4
 Applicant: **RÉGULATEURS GEORGIN**
 14/16 RUE PIERRE SEMARD
 92320 CHATILLON
 France
 Electrical Apparatus: **Converters**
 Optional accessory:
 Type of Protection: **[ia] or [iaD]**
 Marking: **[EX ia] I or [EX ia] IIC or [EX ia] IIB or [EX iaD]**
Tamb max = + 50° C for type : BE... and CE...
Tamb max = + 60° C for type : BX... , R... and 58G...
Uo=...*, Io=...*, Po=...*, Lo=...* or
Ui=...*, Ii=...*, Pi=...*, Li=...*
 (*see Conditions of certification)

Certificate history:
 Issue No. 1 (2009-8-3)
 Issue No. 0 (2009-3-16)

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

APPROVATION MANAGER

 01 SEP. 2009

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
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3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
 33 Avenue du General Leclerc
 FR-92260 Fontenay-aux-Roses
 France





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Manufacturer: **RÉGULATEURS GEORGIN**
14/16 RUE PIERRE SEMARD
92320 CHATILLON
France

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

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IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-11 : 2005 Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'ID'

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

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FR/LCI/QAR09.0004/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The converters type BE, CE, BX, R and 58G are used for signals processing, from explosive atmosphere. The first function of these converters is to ensure a galvanic insulation between electrical signals coming from explosive area and safe area. The second function (optional) is to convert value and characteristic of the electrical signals (for example : to convert voltage to current, 4-20 mA range to 0-20 mA...etc)
The converters are associated material placed in safe area

CONDITIONS OF CERTIFICATION: YES as shown below:

see attached document : SPECIFIC PARAMETERS RG LCI090013X_1.pdf (4 Pages)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Possibility to use the relay Tyco Electronics Schrack RT for the models RDN211W**0 and 58GI-211W**0.

Update of documents.

Update of maximum ambient temperatures.

Update of intrinsic safety electrical parameters.

Update of the marking for the dust models.

Annexe: SPECIFIC PARAMETERS RG LCI090013X_1.pdf

Certificate n°.....	IECEX LCI 09.0013X/1	Date	2009/08/03
Applicant	REGULATEURS GEORGIN		
Product range.....	Converters		
Type	BE..., CE..., BX..., R..., 58G...		

ANNEX : SPECIFIC PARAMETERS

The apparatus are "intrinsically safe associated electrical material" and must not be installed in potentially explosive atmospheres.

The apparatus must only be connected to IS certified equipment, which complies with the IEC 60079-11 Ed.5 standard; these association must be compatible as far as intrinsic safety is concerned.

The electrical equipment parameters L and C (including the connecting cables) which may be connected to the output terminals must not exceed the following values:

Type	Bornes / terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)		
					IIC	IIB	IIC	IIB	
BEA1...	H/J	23,5	83	510	132	980	4,0	17	
BEA2...			65	370			9,5	32	
BEA12...			83	510			4,0	17	
CEA1...			23c/25c 30c/32c	83			510	4,0	17
CEA2...				65			370	9,5	32
CEA12...				83			510	4,0	17
BXNA1...	H/J	23,5	97	560	132	980	5	20	
58GO-1...			65	450			9	32	
BXNA2...			97	560			5	20	
58GO-2...									
BEC...	H/J (E2) J/L (E1)	12,5	4,1	34	1200	7700	1000	1000	
CEC...	23c/24c (E2) 30c/31c (E2)		2,4	7					
	24c/25c (E1) 31c/32c (E1)		4,1	34					
BXNC...	H/J (E2)	12,5	5,1	33	1200	/	1000	/	
58GC-...	J/L (E1)		2,4	15					
BEE01.../ BXNE01.../ 58GD-01...	J-H/L J-H/M J-H/P J-H/R	23,5	160	1300	132	980	1	5,5	
BEE02.../ BXNE02.../ 58GD-02...			150	1150			1,5	6,5	
BEE03.../ BXNE03.../ 58GD-03...			130	1100			2	8,5	
BEE04.../ BXNE04.../ 58GD-04...			110	900			3	11	
BEE05.../ BXNE05.../ 58GD-05...			87	750			4	17	
BEE06.../ BXNE06.../ 58GD-06...		78	690	6	25				
BEE07.../ BXNE07.../ 58GD-07...		26,3	80	710	97	740	5,5	17	
BEE08.../ BXNE08.../ 58GD-08...			105	900	3	11			
BEE09.../ BXNE09.../ 58GD-09...		23,5	64	590	132	980	9	32	
BEE10.../ BXNE10.../ 58GD-10...		26,3	40	390	97	740	25	80	
BEE11.../ BXNE11.../ 58GD-11...		26,3	70	630	97	740	9,5	32	
BEE31.../ BXNE31.../ 58GD-31...		7,2	185	620	14500	240000	0,9	4	
BEE34.../ BXNE34.../ 58GD-34...		13	1250	1000	6200				
BEE36.../ BXNE36.../ 58GD-36...		13,1	142	600	970	6000	3	10	
BEE37.../ BXNE37.../ 58GD-37...		16,1	270	2150	451	2690	0,9	3	
CEE01...		31a-31c/30c 31a-31c/30a 31a-31c/32c 31a-31c/32a	23,5	160	1300	132	980	1	5,5
CEE02...				150	1150			1,5	6,5
CEE03...	130			1100	2			8,5	
CEE04...	110			900	3			11	
CEE05...	87			750	4			17	
CEE06...	78		690	6	25				
CEE07...	26,3		80	710	97	740	5,5	17	
CEE08...			105	900	3	11			
CEE09...	23,5		64	590	132	980	9	32	
CEE10...	26,3		40	390	97	740	25	80	
CEE11...	26,3		70	630			9,5	32	
CEE31...	7,2		185	620	14500	240000	0,9	4	
CEE34...	13		1250	1000	6200				
CEE36...	13,1		142	600	970	6000	3	10	
CEE37...	16,1		270	2150	451	2690	0,9	3	

Certificate n°.....	IECEX LCI 09.0013X/1	Date	2009/08/03
Applicant	REGULATEURS GEORGIN		
Product range	Converters		
Type	BE..., CE..., BX..., R..., 58G...		

Type	Bornes / terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)	
					IIC	IIB	IIC	IIB
BEE41.../ BXNE41.../ 58GD-41...	J-H/L J-H/M J-H/P J-H/R	19,5	170	1640	240	1490	0,1	0,4
BEE42.../ BXNE42.../ 58GD-42...		27,9	76	496	84	654	5	19
BEE49.../ BXNE49.../ 58GD-49...		24,1	87	496	124	920	5	19
BEE50.../ BXNE50.../ 58GD-50...		27,4	112	737	87	677	2,5	10
BEE61.../ BXNE61.../ 58GD-61...		15,0	272	7473	/	3550	/	0,05
BEE62.../ BXNE62.../ 58GD-62...		11,2	75	197	1840	12600	5	19
BEE63.../ BXNE63.../ 58GD-63...		19,3	149	697	248	1520	0,9	3,6
BEE64.../ BXNE64.../ 58GD-64...		27,4	109	717	87	677	2	8
BEE65.../ BXNE65.../ 58GD-65...		147	887	110	/	/	1,5	7
BEE66.../ BXNE66.../ 58GD-66...		25,0	170	1119	/	840	/	5
BEE69.../ BXNE69.../ 58GD-69...		93	552	110	/	/	4	16
BEE70.../ BXNE70.../ 58GD-70...		27,9	110	733	84	654	2	8
BEE71.../ BXNE71.../ 58GD-71...		26,8	119	766	92	720	1,8	7,2
BEE73.../ BXNE73.../ 58GD-73...		8,9	170	483	5200	43000	0,5	2
BEE74.../ BXNE74.../ 58GD-74...		25,0	68	398	110	840	8	30
BEE76.../ BXNE76.../ 58GD-76...		15	272	3375	580	3550	0,3	3
BEI.A1../ BXNI A1../ 58GN-.A1..		H/J L/M P/R S/T	50	220	/	/	15	50
BEI.A2../ BXNI A2../ 58GN-.A2..	60		270	/	/	10	40	
BEI.A3../ BXNI A3../ 58GN-.A3..	75		330	/	/	6	25	
BEI.A4../ BXNI A4../ 58GN-.A4..	100		440	330	1880	4	17	
BEI.A5../ BXNI A5../ 58GN-.A5..	150		660	/	/	1,6	6	
BEI.A6../ BXNI A6../ 58GN-.A6..	140		610	/	/	2	8,5	
BEI.A7../ BXNI A7../ 58GN-.A7..	120		530	/	/	2,4	10	
CEI.A1..	23c/25c 30c/32c 23a/25a 30a/32a	50	220	/	/	15	50	
CEI.A2..		60	270	/	/	10	40	
CEI.A3..		75	330	/	/	6	25	
CEI.A4..		100	440	330	1880	4	17	
CEI.A5..		150	660	/	/	1,6	6	
CEI.A6..		140	610	/	/	2	8,5	
CEI.A7..		120	530	/	/	2,4	10	
BEP...	H/J (E1)	85	650	/	/	4	17	
	J/L (E2)	31	260	/	/	35	150	
CEP...	23c/24c (E1) 30c/31c (E1)	12,5	85	650	1200	7700	4	17
	24c/25c (E2) 31c/32c (E2)	31	260	/	/	35	150	
BXNP.../ 58GT-...	H/J (E1)	12,5	80	600	1200	/	5	/
	J/L (E2)	2,4	15	/	/	1000	/	/
BER...	H/J (E1)	14,6	130	/	/	150	500	
	J/L (E2)	16,2	120	/	/	130	450	
CER...	23c/24c (E1) 30c/31c (E1)	12,5	14,6	130	1200	7700	150	500
	24c/25c (E2) 31c/32c (E2)	16,2	120	/	/	130	450	
BXNR.../ 58GR-...	H/J (E1)	12,5	11	66	1200	/	300	/
	J/L (E2)	12	75	/	/	200	/	/
BET1...	H/J (E1)	23,5	62	350	132	980	8,5	30
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET2...	H/J (E1)	23,5	77	590	132	980	6	25
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET3...	H/J (E1)	23,5	68	480	132	980	10	35
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET4...	H/J (E1)	23,5	66	420	132	980	9	32
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
BET5...	H/J (E1)	20,9	95	700	188	1270	4	14
	J/L (E2)	12,5	1,2	26	1200	7700	1000	1000
CET1...	23c/24c (E1) 30c/31c (E1)	23,5	62	350	132	980	8,5	30
	24c/25c (E2)	12,5	1,2	26	1200	7700	1000	1000

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Applicant	REGULATEURS GEORGIN		
Product range.....	Converters		
Type	BE..., CE..., BX..., R..., 58G...		

Type	Bornes / terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)	
					IIC	IIB	IIC	IIB
CET2...	31c/32c (E2)							
	23c/24c (E1) 30c/31c (E1)	23,5	77	590	132	980	6	25
	24c/25c (E2) 31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET3...	23c/24c (E1) 30c/31c (E1)	23,5	68	480	132	980	10	35
	24c/25c (E2) 31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET4...	23c/24c (E1) 30c/31c (E1)	23,5	66	420	132	980	9	32
	24c/25c (E2) 31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
CET5...	23c/24c (E1) 30c/31c (E1)	20,9	95	700	188	1270	4	14
	24c/25c (E2) 31c/32c (E2)	12,5	1,2	26	1200	7700	1000	1000
BXNT1.../ 58GS-1...	H/J (E1)	23,5	57	400	132	/	7,5	/
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT2...	H/J (E1)	23,5	55	390	132		9	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT3...	H/J (E1)	23,5	53	360	132		9,5	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT4...	H/J (E1)	23,5	51	360	132		10	
	J/L (E2)	12,5	2,4	15	1200		1000	
BXNT5...	H/J (E1)	20	70	550	220		5	
	J/L (E2)	12,5	2,4	15	1200		1000	
BETI2...	H/J (E1)	26,3	73	650	97	740	6,5	28
	J/L (E2)	12,5	2,4	7	1200	7700	1000	1000
CETI2...	23c/24c (E1) 30c/31c (E1)	26,3	73	650	97	740	6,5	28
	24c/25c (E2) 31c/32c (E2)	12,5	2,4	7	1200	7700	1000	1000
BXNTI2.../ 58GS-2	H/J (E1)	26,3	70	600	97	740	5,5	22
	J/L (E2)	12,5	2,4	28	1200	7700	1000	1000
BED310.../ RDN310.../ 58GI-310... / BED410.../ RDN410.../ 58GI-410...	J/H, L/M, P/R, S/T	8,6	9	19	6200	55000	350	1000
BED...0./ 58GI-...0./ RDN...0.	J/H L/M	12	25	150	1410	9000	45	135
BED...O./ 58GI-...O./ RDN...O.								
BED...L./ 58GI-...L./ RDN...L.								
BED...A./ 58GI-...A./ RDN...A.								
BED...M./ 58GI-...M./ RDN...M.								
CED.....	23a/25a, 25c/24a 23c/24c 32a/30c 32c/31a 31c/30a	12	25	150	1410	9000	45	135
CED...A..								
CED...M..								
BXMT1.../ 58GM-221.../ BXMTI2.../ 58GM-222...	H/J, M/P	27,5	80,1	550,72	86	672	2,8	4,2
	J/L, P/R	11	1,1	3,06	1970	13800	100	150
BXLTI1.../ 58GM-121.../ BXLTI2.../ 58GM-122.../ BXKT1.../ BXKT2.../ BXNT6.../ 58GM-111.../ BXNTI6.../ 58GM-112...	H/J	27,5	80,1	550,72	86	672	2,8	4,2
	J/L	11	1,1	3,06	1970	13800	100	150

Type	Bornes/ terminals	Uo (V)	Io (mA)	Po (mW)	Co (nF)		Lo (mH)	
					IIC	IIB	IIC	IIB
RDN210V.../ 58GI210V.../ RDN210W.../ 58GI210W.../	Les bornes "SI" ne doivent être raccordées qu'à des circuits de sécurité intrinsèque dont la tension n'excède pas 60V (valeur de crête) pour les modèles							

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RDN211V.../ 58GI211V.../ RDN211W.../ 58GI211W.../ RDN213V.../ 58GI213V.../ RDN213W.../ 58GI213W...	à relais et dont la valeur du courant n'excède pas 100mA (valeur efficace) pour les modèles à optocoupleurs. Si les contacts des relais sont insérés dans un circuit non de SI, les valeurs des courants et des tensions établies ou coupées en fonctionnement normal, ne doivent pas dépasser respectivement 5A et 250V (valeurs efficaces), et de la valeur de la puissance apparente ne doit pas dépasser 100VA. <i>The «IS» terminals must only be connected to intrinsically safe circuits with a maximum tension of 60V (peak value) for models with relays, and with a maximum current of 100mA (rms) for models with optocouplers.</i> <i>If the relays points are inserted in a non intrinsically safe circuit, the NSI circuit electrical parameters must not exceed in normal operation the following values 5A (rms), 250V (rms) and 100VA (apparent power).</i>
BXNI.T/ 58GN.T	$U_i \leq 66V, I_i \leq 100mA, C_i \approx 0, L_i \approx 0$