

CERTIFICATE

KEMA No.: 2085354.06

Issued to:
Applicant:
GE Power Controls Belgium B.V.B.A.
Nieuwevaart 51
9000, GENT, Belgium

Manufacturer/Licensee:
GE Power Controls Belgium B.V.B.A.
Nieuwevaart 51
9000, GENT, Belgium

Product(s) : switch-disconnector
Trade name(s) : GENERAL ELECTRIC
Type(s)/model(s) : DILOS 1

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

KEMA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60947-3:1992
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900036

KEMA hereby grants the right to use the KEMA-KEUR certification mark.



The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: September 23, 2005

H.L. Schendstok
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	switch-disconnector
trade name(s)	:	GENERAL ELECTRIC
type(s)	:	DILOS 1
Rated operational voltage (Ue)	:	690 V
Nature of supply	:	ac
Rated frequency	:	50 Hz
Rated insulation voltage (Ui)	:	690 V
Rated impulse withstand voltage (Uimp)	:	8 kV
Rated conditional enclosed thermal current (Ithe)	:	40 A, 63 A, 80 A, 100 A and 125 A
Utilisation category	:	AC-21A, AC-22A and AC-23A
Method of mounting	:	top hat rail 35 mm (EN 50022)
Operational performance without current	:	le smaller than or equal to 100 A: 8500 cycles le greater than 100 A: 7000 cycles
Operational performance with current	:	le smaller than or equal to 100 A: 1500 cycles le greater than 100 A: 1000 cycles
Connections	:	rigid (stranded) min. : 6 mm ² max. : 50 mm ²

Additional information

DILOS 1

Additional information :

Ordering key : 61X1Y-00Z

X : 2	=	2 poles
3	=	3 poles
4	=	4 poles
5	=	3 poles & solid connection neutral right
7	=	3 poles & solid connection neutral left
Y : 2	=	40 A rated conditional enclosed thermal current
4	=	63 A
5	=	80 A
6	=	100 A
7	=	125 A
Z : 1	=	transparent cover
3	=	yellow cover

Ue		240 V	415 V	500 V	690 V
lcw	kA	1,5/1sec.	1,5/1 sec.	1,5/1sec.	1,5/1 sec.
lcm	kA	6,8	6,8	4,5	4,5
ics	kA	50	50	50	32

KEMA Quality B.V.

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Protective device Ics	Protection	Maximum cut-off current kA	Maximum energy kA2s
Ithe	Jean Müller		
40 A	NH00 63 A gL gG	6,42	19,5
63 A	NH00 63 A gL gG	6,42	19,5
80 A	NH00 125 A gL gG	9,9	59,8
100 A	NH00 125 A gL gG	9,9	59,8
125 A	NH00 125 A gL gG	9,9	59,8

Ithe = 40 A

Ue	240 V	415 V	500 V	690 V
<u>AC-21A</u>	40 A	40 A	40 A	40 A
<u>AC-22A</u>	40 A	40 A	40 A	40 A
<u>AC-23A</u>	40 A	40 A	32 A	25 A

Ithe = 63 A

Ue	240 V	415 V	500 V	690 V
<u>AC-21A</u>	63 A	63 A	63 A	63 A
<u>AC-22A</u>	63 A	63 A	63 A	50 A
<u>AC-23A</u>	50 A	50 A	32 A	25 A

Ithe = 80 A

Ue	240 V	415 V	500 V	690 V
<u>AC-21A</u>	80 A	80 A	80 A	80 A
<u>AC-22A</u>	80 A	80 A	80 A	63 A
<u>AC-23A</u>	80 A	80 A	50 A	40 A

Ithe = 100 A

Ue	240 V	415 V	500 V	690 V
<u>AC-21A</u>	100 A	100 A	100 A	100 A
<u>AC-22A</u>	100 A	100 A	100 A	63 A
<u>AC-23A</u>	80 A	80 A	50 A	40 A

Ithe = 125 A

Ue	240 V	415 V	500 V	690 V
<u>AC-21A</u>	125 A	125 A	100 A	100 A
<u>AC-22A</u>	125 A	125 A	100 A	63 A
<u>AC-23A</u>	80 A	80 A	50 A	40 A

Enclosure : box of insulating material
 Dimension : W x H x D = 175 x 170 x 120 mm

TESTS**Test requirements**

EN 60947-3:1992 C:1997-06

Test results

The test results are laid down in CEBEC and TRF No. G9724/01, G9724/02 and are laid down in KEMA test file 2085354.06.

Remarks

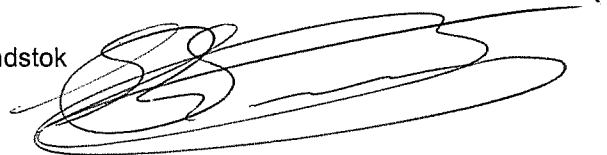
This certificate replaces certificate 98.0235.01.

Conclusion

The examination proved that all test requirements were met.

Tested by : CEBEC

Checked by : H.L. Schendstok

**Factory-Locations**

GE Power Controls Polska,
ul. Pilsudskiego, 5, 57-300, KLODZKO, Poland