CERTIFICATE

Issued to:
Applicant:
Koncar Niskonaponske Sklopke
I Prekidaci d.o.o.
Borongajska B.B.
10001 Zagreb, Croatia

Manufacturer/Licensee:
Koncar Niskonaponske Sklopke
I Prekidaci d.o.o.
Borongajska B.B.
10001 Zagreb, Croatia

Product(s) : switch-disconnector
Trade name(s) : KONCAR
Type(s)/model(s) : GN series

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

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to the standard EN 60947-3:2009;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 901295

DEKRA 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: 15 July 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2161096.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

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ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION

PRODUCTS
RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	switch-disconnector
trade name(s)	:	KONCAR
type(s)	:	GN12, GN20, GN25, GN32, GN40, GN63, GN125
contacts per deck	:	maximum 2 single pole contacts
number of decks	:	maximum 12 decks
switching angles	:	30°, 45°, 60° and 90°
rated insulationvoltage (Ui)	:	690 Vac

Product data - type GN12

conventional enclosed thermal current (Ithe)	:	16 A
rating/tilization category (Ue Ie)	:	AC-3 380/400 V 9,5 A / 4 kW
rated short-time withstand current (Icw)	:	200 A - 1,0 s
rated short-circuit making capacity (Icm)	:	1200 A peak
rated impulse withstand voltage (Uimp)	:	6 kV: switch 4 kV: switch-disconnector
operation performance	:	6000 operating cycles
connection	:	flexible and rigid: 1 x 0,5 mm^2 - 1 x 2,5 mm^2 2 x 0,5 mm^2 - 2 x 2,5 mm^2
enclosure	:	thermoplastic material 75 x 75 x 79,8 mm 90 x 90 x 98,3 mm

Product data - type GN20

conventional enclosed thermal current (Ithe)	:	20 A
rating/tilization category (Ue Ie)	:	AC-3 380/400 V 13 A / 5,5 kW
rated short-time withstand current (Icw)	:	250 A - 1,0 s
rated short-circuit making capacity (Icm)	:	1500 A peak
rated impulse withstand voltage (Uimp)	:	6 kV: switch 4 kV: switch-disconnector
operation performance	:	6000 operating cycles
connection	:	flexible and rigid: 1 x 0,5 mm^2 - 1 x 2,5 mm^2 2 x 0,5 mm^2 - 2 x 2,5 mm^2
enclosure	:	thermoplastic material 75 x 75 x 79,8 mm 90 x 90 x 98,3 mm

Product data - type GN25

conventional enclosed thermal current (Ithe)	:	25 A
rating/tilization category (Ue Ie)	:	AC-3
		380/400 V 17 A / 7,5 kW
rated short-time withstand current (Icw)	:	400 A - 1,0 s
rated short-circuit making capacity (Icm)	:	1700 A peak
rated impulse withstand voltage (Uimp)	:	6 kV: switch
		4 kV: switch-disconnector
operation performance	:	6000 operating cycles
connection	:	flexible:
		1 x 0,5 mm^2 - 1 x 4 mm^2
		2 x 0,5 mm^2 - 2 x 4 mm^2
		rigid:
		1 x 0,5 mm^2 - 1 x 6 mm^2
		2 x 0,5 mm^2 - 2 x 4 mm^2
enclosure	:	thermoplastic material
		75 x 75 x 79,8 mm
		90 x 90 x 98,3 mm

Product data - type GN32

conventional enclosed thermal current (Ithe)	:	32 A
rating/tilization category (Ue Ie)	:	AC-23A
		380/400 V 32 A / 15 kW
rated short-time withstand current (Icw)	:	800 A - 1,0 s
rated short-circuit making capacity (Icm)	:	2500 A peak
rated impulse withstand voltage (Uimp)	:	6 kV: switch
		4 kV: switch-disconnector
operation performance	:	category A
without current	:	8500 operating cycles
with current	:	1500 operating cycles
connection	:	flexible:
		1 x 1,5 mm^2 - 1 x 4 mm^2
		2 x 1,5 mm^2 - 2 x 4 mm^2
		rigid:
		1 x 1,5 mm^2 - 1 x 6 mm^2
		2 x 1,5 mm^2 - 2 x 6 mm^2
enclosure	:	thermoplastic material
		90 x 90 x 98,3 mm

Product data - type GN40

conventional enclosed thermal current (Ithe)	:	40 A
rating/tilization category (Ue Ie)	:	AC-23A 380/400 V 37 A / 18,5 kW
rated short-time withstand current (Icw)	:	1000 A - 1,0 s
rated short-circuit making capacity (Icm)	:	1700 A peak
rated impulse withstand voltage (Uimp)	:	6 kV: switch 4 kV: switch-disconnector
operation performance	:	category A
without current	:	8500 operating cycles
with current	:	1500 operating cycles
connection	:	flexible: 1 x 1,5 mm^2 - 1 x 6 mm^2 2 x 1,5 mm^2 - 2 x 6 mm^2 rigid: 1 x 1,5 mm^2 - 1 x 10 mm^2 2 x 1,5 mm^2 - 2 x 10 mm^2
enclosure	:	thermoplastic material 90 x 90 x 98,3 mm 125 x 175 x 118,3 mm

Product data - type GN63

conventional enclosed thermal current (Ithe)	:	63 A
rating/tilization category (Ue Ie)	:	AC-23A 380/400 V 60 A / 30 kW
rated short-time withstand current (Icw)	:	1200 A - 1,0 s
rated short-circuit making capacity (Icm)	:	1700 A peak
rated impulse withstand voltage (Uimp)	:	6 kV: switch 4 kV: switch-disconnector
operation performance	:	category A
without current	:	8500 operating cycles
with current	:	1500 operating cycles
connection	:	flexible: 1 x 2,5 mm^2 - 1 x 10 mm^2 2 x 2,5 mm^2 - 2 x 10 mm^2 rigid: 1 x 2,5 mm^2 - 1 x 16 mm^2 2 x 2,5 mm^2 - 2 x 16 mm^2
enclosure	:	thermoplastic material 125 x 175 x 118,3 mm

Product data - type GN125

conventional enclosed thermal current (Ithe)	:	125 A
rating/tilization category (Ue Ie)	:	AC-23A 380/400 V 84 A / 45 kW
rated short-time withstand current (Icw)	:	2100 A - 1,0 s
rated short-circuit making capacity (Icm)	:	3000 A peak
rated impulse withstand voltage (Uimp)	:	8 kV: switch 6 kV: switch-disconnector
operation performance	:	category A
without current	:	8500 operating cycles
with current	:	1500 operating cycles
connection	:	flexible: 1 x 16 mm^2 - 1 x 50 mm^2 thermoplastic material
enclosure	:	180 x 250 x 105 mm

TESTS

Test requirements
EN 60947-3:2009 +A1:2012

Test result
The test results are laid down in DEKRA test file 2161096.01.

Remarks
This certificate replaces certificates
- 2117870.01 dated 2008-10-14
- 2117870.02 dated 2008-10-14
- 2141784.14 dated 2011-04-04
- 2141784.15 dated 2011-04-04
- 2141784.16 dated 2011-04-04
- 2141784.17 dated 2011-04-04
- 99.2708.01 dated 1999-06-25
- 2161096.01 dated 2013-07-31 due to editorial modification

Conclusion
The examination proved that all test requirements were met.

Tested by : M.T.H. van Gemen

Checked by : F. Fu

Factory locations
Koncar Niskonaponske Sklopke, I Prekidaci d.o.o.
Borongajska B.B., 10001, Zagreb
Croatia