

# CERTIFICATE

Issued to:

Applicant:

**Koncar Niskonaponske Sklopke  
I Prekidaci d.o.o.  
Borongajska B.B. 81b  
10001 Zagreb, Croatia**

Manufacturer/Licensee:

**Koncar Niskonaponske Sklopke  
I Prekidaci d.o.o.  
Borongajska B.B. 81b  
10001 Zagreb, Croatia**

Products : Switch-disconnector  
Trade name : KONCAR  
Types : CS 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: 4 April 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2176073.01

DEKRA Certification B.V.

  
drs. G.J. Zoetbrood  
Managing Director

  
F.S. Strikwerda  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT**
**Product data**

Product	:	Switch-disconnector
Trade name	:	KONCAR
Types	:	CS100, CS125, CS160, CS200
Switching angle	:	90 degree
Rated insulation voltage ( $U_i$ )	:	690 Vac
Rated impulse withstand voltage ( $U_{imp}$ )	:	8 kV
Enclosure	:	Thermoplastic material 122 x 108 x 90,5 mm

**Additional information**

CS Series (mounting size A2)

**Product data - type CS100**

Conventional free air thermal current ( $I_{th}$ )	:	100 A
Rating/utilization category ( $U_e I_e$ )	:	AC-23B            380/400 V   105 A / 59 kW AC-21B            380/400 V   100 A
Rated short-time withstand current ( $I_{cw}$ )	:	2600 A - 1,0 s
Rated short-circuit making capacity ( $I_{cm}$ )	:	5000 A peak
Operation performance	:	1400 operating cycles (without current) 200 operating cycles (with current)
Connection	:	Rigid:            1 x 6 mm <sup>2</sup> - 1 x 70 mm <sup>2</sup> Flexibel:        1 x 6 mm <sup>2</sup> - 1 x 50 mm <sup>2</sup>

**Product data - type CS125**

Conventional free air thermal current ( $I_{th}$ )	:	125 A
Rating/utilization category ( $U_e I_e$ )	:	AC-23B            380/400 V   111 A / 63 kW AC-21B            380/400 V   125 A
Rated short-time withstand current ( $I_{cw}$ )	:	2800 A - 1,0 s
Rated short-circuit making capacity ( $I_{cm}$ )	:	5000 A peak
Operation performance	:	1400 operating cycles (without current) 200 operating cycles (with current)
Connection	:	Rigid:            1 x 6 mm <sup>2</sup> - 1 x 70 mm <sup>2</sup> Flexibel:        1 x 6 mm <sup>2</sup> - 1 x 50 mm <sup>2</sup>

**Product data - type CS160**

Conventional free air thermal current ( $I_{th}$ )	:	160 A
Rating/utilization category ( $U_e I_e$ )	:	AC-23B            380/400 V   132 A / 75 kW AC-21B            380/400 V   160 A
Rated short-time withstand current ( $I_{cw}$ )	:	3000 A - 1,0 s
Rated short-circuit making capacity ( $I_{cm}$ )	:	5000 A peak
Operation performance	:	1400 operating cycles (without current) 200 operating cycles (with current)
Connection	:	Rigid:            1 x 6 mm <sup>2</sup> - 1 x 70 mm <sup>2</sup> Flexibel:        1 x 6 mm <sup>2</sup> - 1 x 50 mm <sup>2</sup>

**Product data - type CS200**

Conventional free air thermal current ( $I_{th}$ )	:	200 A	
Rating/utilization category ( $U_e I_e$ )	:	AC-23B	380/400 V 132 A / 75 kW
		AC-21B	380/400 V 200 A
Rated short-time withstand current ( $I_{cw}$ )	:	3000 A - 1,0 s	
Rated short-circuit making capacity ( $I_{cm}$ )	:	5000 A peak	
Operation performance	:	1400 operating cycles (without current)	
		200 operating cycles (with current)	
Connection	:	Cable lug	95 mm <sup>2</sup>

**TESTS****Test requirements**

EN 60947-3:2009

A1:2012

A1:2012/C1:2013

A2:2015

**Test result**

The test results are laid down in DEKRA test file 2176073.01.

**Remarks**

This certificate replaces KEMA-KEUR certificate with number 2164136.01 dated 07-October-2013.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : M.T.H. van Gemen



Checked by : C.H.J. Addink

**Factory locations**

Koncar Niskonaponske Sklopke, I Prekidaci d.o.o.

Borongajska B.B. 81b, 10001, Zagreb

Croatia