

## IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product

Busbar trunking system

Name and address of the applicant

**SCHNEIDER ELECTRIC INDUSTRIES SAS**  
35, rue Joseph Monier  
92500 RUEIL MALMAISON  
France

Name and address of the manufacturer

**SCHNEIDER ELECTRIC INDUSTRIES SAS**  
31 rue Pierre Mendes France, Eybens  
38050 GRENOBLE Cedex 9  
France

Name and address of the factory

See annex

 Additional Information on page 2

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

See annex

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

/

Model / Type Ref.

Canalis KSA and KSC series

Additional information (if necessary may also be reported on page 2)

Supersedes CBTC N° FR 645951/M2 dated 26/07/2017 (new design)

 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 61439-1:2011(ed.2)  
IEC 61439-6:2012(ed.1)

As shown in the Test Report Ref. No. which forms part of this Certificate

122711-645950, 122711-645950/A1, 122711-645950A2

This CB Test Certificate is issued by the National Certification Body

LCIE – Laboratoire Central des Industries Electriques  
33, avenue du Général Leclerc – BP8  
FR 92 266 Fontenay aux Roses Cedex  
[www.lcie.fr](http://www.lcie.fr)LABORATOIRE CENTRAL DES  
INDUSTRIES ELECTRIQUES  
S.A.S au capital de 15 745 000 €  
RCS Nanterre 4408 563 174  
33 Avenue du Général Leclerc  
F – 92266 FONTENAY AUX ROSES

Date: 07/02/2018

Signature: **Jean-François BRUEL**  
Certification Officer

## ANNEX

### Name and address of the factories

**SCHNEIDER ELECTRIC FRANCE**

 6-8 rue du Bailly BP 97812  
 21078 DIJON Cedex  
 France

**Schneider Electric Brasil LTDA**

 Avenida da saudade, 1125, Frutal,  
 13170-320 – SUMARE/SP  
 Brazil

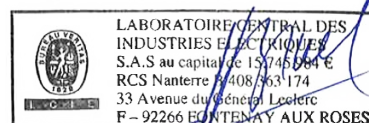
### References, ratings and main characteristics

**Busbar trunking system: KSA series**

Busbar trunking unit (straight lengths, elbows, tees, crosses, fixing means, joints), busbar trunking unit with tap-off facilities, busbar trunking feeder unit, busbar trunking fire barrier unit.

The unit includes three phase conductors with or without neutral conductor and a protective earth conductor.

Place of installation (indoor / outdoor)	Indoor installation								
Service conditions (normal / special)	Normal								
Mobility (stationary / movable)	Stationary assembly								
IP Code	IP 55								
IK Code	IK 08								
Mechanical loads (normal / heavy / special)	Normal								
Resistance to fire and flame propagation	Resistance to flame propagation								
Mounting attitude	All								
Pollution degree	3								
Rated operational voltage (Ue /2/3 ph system)	690 V~								
Rated insulation voltage (Ui / all systems)	690 V								
Rated impulse voltage (Uimp) : all systems	8 kV								
Fire resistance in building penetration	EI 120								
Rated current, In (A) :	100	160	250	400	500	630	800	1000	
Rated short-time withstand current, Icw (kA)	2,6	4,5	10	18,8	26,2	32,1	37,4	37,4	
Rated peak withstand current, Ipk (kA)	15,7	22	28	49,2	55	67,5	78,7	78,7	
Rated frequency:	50/60 Hz								
Resistance and reactance values for each In (A):	100	160	250	400	500	630	800	1000	
R (mΩ/m)	1,59	0,77	0,39	0,21	0,15	0,13	0,09	0,06	
X (mΩ/m)	0,15	0,15	0,16	0,14	0,07	0,07	0,06	0,06	
Rating factors:									
k1 _35°C	1,0								
k1 _40°C	0,96								
k1 _45°C	0,93								
k1 _55°C	0,85								


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## ANNEX

### Busbar trunking system: KSC series

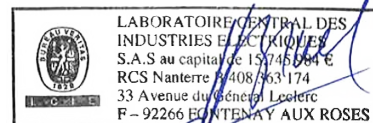
Busbar trunking unit (straight lengths, elbows, tees, crosses, fixing means, joints), busbar trunking unit with tap-off facilities, busbar trunking feeder unit, busbar trunking fire barrier unit.

The unit includes three phase conductors with or without neutral conductor and a protective earth conductor

Place of installation (indoor / outdoor)	Indoor installation				
Service conditions (normal / special)	Normal				
Mobility (stationary / movable)	Stationary assembly				
IP Code	IP 55				
IK Code	IK 08				
Mechanical loads (normal / heavy / special)	Normal				
Resistance to fire and flame propagation	Resistance to flame propagation				
Mounting attitude	All				
Pollution degree	3				
Rated operational voltage (Ue /2/3 ph system)	690 V~				
Rated insulation voltage (Ui / all systems)	690 V				
Rated impulse voltage (Uimp) : all systems	8 kV				
Fire resistance in building penetration	EI 120				
Rated current, In (A) :	160	250	400	630	800
Rated short-time withstand current, Icw (kA)	4,45	10	18,8	32,1	37,4
Rated peak withstand current, Ipk (kA)	22	28	49,2	67,5	78,7
Rated frequency:	50/60 Hz				
Resistance and reactance values for each In (A):	160	250	400	630	800
R (mΩ/m)	0,68	0,21	0,12	0,06	0,04
X (mΩ/m)	0,16	0,15	0,14	0,07	0,07
Rating factors:					
k1_35°C	1,0				
k1_40°C	0,97				
k1_45°C	0,94				
k1_55°C	0,87				



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