



Ref. Certif. No.

FR 679918

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE / CERTIFICAT D'ESSAI OC**Product
Produit

Switch-disconnector

Name and address of the applicant
Nom et adresse du demandeur**LEGRAND France**
Zone Industrielle les 3 moulins 159 rue Jean Joannon CS 80729 -
06605 ANTIBES CEDEX - FranceName and address of the manufacturer
Nom et adresse du fabricant**LEGRAND FRANCE**
290 avenue de Colmar CS 30101 - 67024 STRASBOURG CEDEX 1 -
FranceName and address of the factory
Nom et adresse de l'usine

See annex 1

Note : When more than one factory, please report on page 2
Note : Lorsqu'il y a plus d'une usine, veuillez utiliser la 2ème pageRatings and principal characteristics
Valeurs nominales et caractéristiques principales

See annex 2

Trademark (if any)
Marque de fabrique (si elle existe)

LEGRAND

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

CTF Stage 2

Model / Type Ref.
Ref. De typeSeries ISR 20 to ISR 32A, ISR 50 to ISR 63A, ISR 80 to to ISR 100A
References: see annex 2Additional information (if necessary may also be
reported on page 2)
Informations complémentaires (si nécessaire, peuvent
être indiquées sur la 2ème page)See annex 2
Supersedes the CB Certificate n° 639175D dated 2013-11-05:
updating of standard's editionA sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la**PUBLICATION** **EDITION**
IEC 60947-3:2009 +A1:2012 +A2:2015As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

119760-639175B, 119760-639175B/1 to 119760-639175B/21, 138924-679918

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification****Laboratoire Central des Industries Électriques**33, av du Général Leclerc – BP 8
FR 92266 Fontenay-aux-Roses cedex
www.lcie.fr

Date:

2015-12-17

Signature:

Jean-François BRUEL
Certification Officer

Annex 1 : List of Manufacturers and Factories

Switch-disconnector

Factory	Manufacturer
LEGRAND ELEKTRIK SANAYI A.S. GOSB-Gebze Organize Sanayi Bölgesi Ihsan Dede Cad. No. 112 - 41480 GEBZE/KOCAELI - Turkey	LEGRAND FRANCE 290 avenue de Colmar CS 30101 - 67024 STRASBOURG CEDEX 1 - France
LEGRAND FRANCE 290 avenue de Colmar CS 30101 - 67024 STRASBOURG CEDEX 1 - France	LEGRAND FRANCE 290 avenue de Colmar CS 30101 - 67024 STRASBOURG CEDEX 1 - France

Additional Information (if necessary)
Informations complémentaires (si nécessaire)



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Annex 2

REFERENCES AND TECHNICAL CHARACTERISTICS

Series	References (trademark LEGRAND)	Ue (V)	Ie (A)	Poles	Screw-type terminal diameter	Tightening torque	Icw / 1 s (under 400V)	Icm (under 400V)
ISR 20 to 32A	22100	400 V~	20 A	3P	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22110	400 V~	25 A	3P	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22130	400 V~	32 A	3P	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22100+ 22211	400 V~	20 A	3P+N	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22110+ 22212	400 V~	25 A	3P+N	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22130+ 22213	400 V~	32 A	3P+N	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22100+ 22201	400 V~	20 A	4P	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22110+ 22202	400 V~	25 A	4P	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 20 to 32A	22130+ 22203	400 V~	32 A	4P	M4	1,2 N.m	0,43 kA / 1 s	1,00 kA
ISR 50 to 63A	22140	690 V~	50 A	3P	M6	2,5 N.m	0,76 kA / 1 s	1,80 kA
ISR 50 to 63A	22150	690 V~	63 A	3P	M6	2,5 N.m	0,76 kA / 1 s	1,80 kA
ISR 50 to 63A	22140+ 22214	690 V~	50 A	3P+N	M6	2,5 N.m	0,76 kA / 1 s	1,80 kA
ISR 50 to 63A	22150+ 22215	690 V~	63 A	3P+N	M6	2,5 N.m	0,76 kA / 1 s	1,80 kA
ISR 50 to 63A	22140+ 22204	690 V~	50 A	4P	M6	2,5 N.m	0,76 kA / 1 s	1,80 kA
ISR 50 to 63A	22150+ 22205	690 V~	63 A	4P	M6	2,5 N.m	0,76 kA / 1 s	1,80 kA
ISR 80 to 100A	22170	690 V~	80 A	3P	M8	3,5 N.m	1,50 kA / 1 s	2,80 kA
ISR 80 to 100A	22180	690 V~	100 A	3P	M8	3,5 N.m	1,50 kA / 1 s	2,80 kA
ISR 80 to 100A	22170+ 22216	690 V~	80 A	3P+N	M8	3,5 N.m	1,50 kA / 1 s	2,80 kA
ISR 80 to 100A	22180+ 22217	690 V~	100 A	3P+N	M8	3,5 N.m	1,50 kA / 1 s	2,80 kA
ISR 80 to 100A	22170+ 22206	690 V~	80 A	4P	M8	3,5 N.m	1,50 kA / 1 s	2,80 kA
ISR 80 to 100A	22180+ 22207	690 V~	100 A	4P	M8	3,5 N.m	1,50 kA / 1 s	2,80 kA

Connecting capacity of terminals ISR 20 to 32A:

Cross section	Rigid conductor
Smallest	1 x 1mm ²
Largest	1 x 10mm ²
Smallest + Largest	1 x 1mm ² + 1 x 10mm ²

Connecting capacity of terminals ISR 50 to 63A:

Cross section	Rigid conductor
Smallest	1 x 2,5mm ²
Largest	1 x 16mm ²
Smallest + Largest	1 x 2,5mm ² + 1 x 16mm ²

Connecting capacity of terminals ISR 80 to 100A:

Cross section	Rigid conductor
Smallest	1 x 16mm ²
Largest	1 x 35mm ²
Smallest + Largest	--

Additional Information (if necessary)
Informations complémentaires (si nécessaire)



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Utilization category	AC-21A
Method of manually operated equipment	Two finger operated
Dependent manual operation	Yes
Suitability for isolation	suitable
Protection degree :	IP20
Number of poles :	See above table
Nature of supply :	AC ~
Number of positions of the main contacts (if more than two)	2
Rated operational voltage U_e : (V)	690 (only 400 V~for ISR 20 to 32 A)
Rated insulation voltage U_i : (V)	690
Rated impulse withstand voltage U_{imp} : (V)	6000
Conventional free air thermal current I_{th} : (A)	see above table
Conventional enclosed thermal current I_{the} : (A)	see above table
Rated operational current I_e : (A)	see above table
Rated uninterrupted current I_u : (A)	see above table
Rated frequency : (Hz)	50/60
Rated duty	-
Eight-hour duty	Yes
Uninterrupted duty	Yes
Ability to withstand motor switching overload currents	no
Rated making capacity : (A)	AC-21A
Rated breaking capacity : (A)	AC-21A
Rated short-time withstand current : I_{cw} (A)	see above table
Rated short-circuit making capacity : I_{cm} (A)	see above table
Material group :	IIIb
Type of terminal:	Screw-type
Nominal diameter of thread : (mm)	see above table
Tightening torque (Nm)	see above table
Connecting capacity:	
Minimum cross-section (mm ²) / Number of conductors	see above table
Maximum cross-section (mm ²) / Number of conductors	see above table
Min/max cross-section (mm ²) / Number of conductors	see above table

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