

IEC**IECEE**

®

™

Ref. Certif. No.

FR_719185**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME****CB TEST CERTIFICATE**

Product

Switch-disconnector

Name and address of the applicant

LEGRAND FRANCE
159 RUE JEAN JOANNON - ZI DES TROIS MOULINS
06606 ANTIBES
FRANCE

Name and address of the manufacturer

LEGRAND FRANCE
290 AVENUE DE COLMAR
67100 STRASBOURG
FRANCE

Name and address of the factory

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

 Additional Information on page 2

Ratings and principal characteristics

See Annex

Trademark / Brand (if any)

LEGRAND

Customer's Testing Facility (CTF) Stage used

CTF2

Model / Type Ref.

Rotary switch-disconnectors
Series ISR 20 to ISR 32A, ISR 50 to ISR 63A, ISR 80 to ISR 100A
References : See Annex

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

Supersedes CBTC 679918 dated 2015-12-17. Addition of factory,
Update further to the evolution of the standard(s) Additional Information on page 2

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

IEC 60947-3:2020

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

21108040-797221
21108040-797221/01 to 21108040-797221/21
21108040-797219, 21108040-797219/01 to 21108040-797219/21

This CB Test Certificate is issued by the National Certification Body

**LCIE**LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE
33 avenue du Général Leclerc
92260 Fontenay-aux-Roses, FRANCEwww.lcie.frLABORATOIRE CENTRAL DES
INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSESSignature: **Julien GAUTHIER**
Certification Officer

Date: 24/05/2024

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ANNEX

Name and address of the factories:

LEGRAND FRANCE
LE PETIT TENDOS
76690 FONTAINE LE BOURG
FRANCE

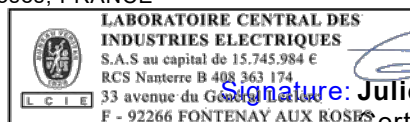
LEGRAND FRANCE
290 AVENUE DE COLMAR
67100 STRASBOURG
FRANCE

LEGRAND ELEKTRIK SANAYI A.S
GOSB GEBZE ORGANIZE SANAYI BOLGESI - IHSAN DEDE CADDESİ N°112
41480 GEBZE KOCAELI
TURKEY



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ANNEX

References, ratings and main characteristics:

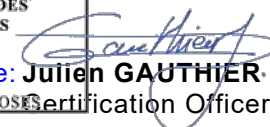
Series	Reference trademark LEGRAND	Rated voltage Ue (V)	Rated current Ie (A)	Poles	Rated short-time current Icw/duration (under 400V)	Rated short-circuit making capacity Icm (under 400V)
ISR 20 to 32A	22100	400V~	20A	3P	0.43kA/1s	1.00kA
ISR 20 to 32A	22110	400V~	25A	3P	0.43kA/1s	1.00kA
ISR 20 to 32A	22130	400V~	32A	3P	0.43kA/1s	1.00kA
ISR 20 to 32A	22100+22211	400V~	20A	3P+N	0.43kA/1s	1.00kA
ISR 20 to 32A	22110+22212	400V~	25A	3P+N	0.43kA/1s	1.00kA
ISR 20 to 32A	22130+22213	400V~	32A	3P+N	0.43kA/1s	1.00kA
ISR 20 to 32A	22100+22201	400V~	20A	4P	0.43kA/1s	1.00kA
ISR 20 to 32A	22110+22202	400V~	25A	4P	0.43kA/1s	1.00kA
ISR 20 to 32A	22130+22203	400V~	32A	4P	0.43kA/1s	1.00kA
ISR 50 to 63A	22140	690V~	50A	3P	0.76kA/1s	1.80kA
ISR 50 to 63A	22150	690V~	63A	3P	0.76kA/1s	1.80kA
ISR 50 to 63A	22140+22214	690V~	50A	3P+N	0.76kA/1s	1.80kA
ISR 50 to 63A	22150+22215	690V~	63A	3P+N	0.76kA/1s	1.80kA
ISR 50 to 63A	22140+22204	690V~	50A	4P	0.76kA/1s	1.80kA
ISR 50 to 63A	22150+22205	690V~	63A	4P	0.76kA/1s	1.80kA
ISR 80 to 100A	22170	690V~	80A	3P	1.50kA/1s	2.80kA
ISR 80 to 100A	22180	690V~	100A	3P	1.50kA/1s	2.80kA
ISR 80 to 100A	22170+22216	690V~	80A	3P+N	1.50kA/1s	2.80kA
ISR 80 to 100A	22180+22217	690V~	100A	3P+N	1.50kA/1s	2.80kA
ISR 80 to 100A	22170+22206	690V~	80A	4P	1.50kA/1s	2.80kA
ISR 80 to 100A	22180+22207	690V~	100A	4P	1.50kA/1s	2.80kA



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ANNEX

ISR 20 to 32A:

Screw-type terminal diameter: 4mm

Connecting capacity of terminals:

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

ISR 50 to 63A:

Screw-type terminal diameter: 6mm

Connecting capacity of terminals:

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

ISR 80 to 100A:

Screw-type terminal diameter: 8mm

Connecting capacity of terminals:

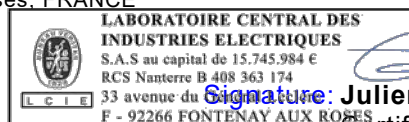
Cross section	Rigid conductor
Smallest	1 x 16mm ²
Largest	1 x 35mm ²
Smallest + Largest	--



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ANNEX

Test item particulars:

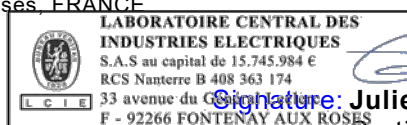
Material Group :	IIIb
Type of terminals :	Screw-type
Method of operation :	Dependent manual operation
Method of operation of manually operated equipment	2 fingers operation
Suitability for isolation :	Suitable
Degree of protection :	IP20
Number of poles :	3P/ 3P+N / 4P
Kind of current :	AC
In the case of a.c., number of phases and rated frequency :	3 phases, 50/60Hz
Number of positions of the main contacts :	2
Rated and limiting values, main circuit :	
Rated operational voltage U_e (V) :	See table below
Rated insulation voltage U_i (V) :	690V
Rated impulse withstand voltage U_{imp} (V) :	6000V
Conventional free air thermal current I_{th} (A) :	See table below
Conventional enclosed thermal current I_{the} (A) :	See table below
Rated operational current I_e (A) :	See table below
Rated uninterrupted current I_u (A) :	See table below
Rated duty :	
Eight-hour duty	Yes
Ininterrupted duty	Yes
Ability to withstand motor switching overload currents	No
Rated frequency (Hz) :	50/60Hz
Utilization category :	AC-21A
Short-circuit characteristic :	
Rated short-time withstand current I_{cw} (kA) :	See table above
Rated short-time making capacity I_{cm} (kA) :	See table above



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ANNEX

Technical Characteristics Series ISR 20 to ISR 32A

Rated and limiting values for main circuit :	
Rated operational voltage U_e : (V)	400V
Conventional free air thermal current I_{th} : (A)	20; 25; 32 A
Conventional enclosed thermal current I_{the} : (A)	16; 20; 25 A
Rated operational current I_e : (A)	20; 25; 32 A
Rated uninterrupted current I_u : (A)	20; 25; 32 A

Technical Characteristics Series ISR 50 to ISR 63A

Rated and limiting values for main circuit	
Rated operational voltage U_e : (V)	690V
Conventional free air thermal current I_{th} : (A)	50; 63 A
Conventional enclosed thermal current I_{the} : (A)	40; 50 A
Rated operational current I_e : (A)	50; 63 A
Rated uninterrupted current I_u : (A)	50; 63 A

Technical Characteristics Series ISR 80 to ISR 100A

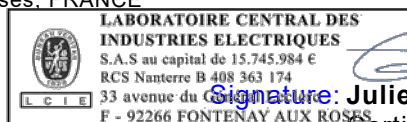
Rated and limiting values for main circuit	
Rated operational voltage U_e : (V)	690V
Conventional free air thermal current I_{th} : (A)	80; 100 A
Conventional enclosed thermal current I_{the} : (A)	63; 80 A
Rated operational current I_e : (A)	80; 100 A
Rated uninterrupted current I_u : (A)	80; 100 A



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