

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

RESIDUAL CURRENT OPERATED CIRCUIT-BREAKER
WITHOUT INTEGRAL OVERCURRENT PROTECTION
(RCCB'S)

Name and address of the applicant
Nom et adresse du demandeur

SCHNEIDER ELECTRIC ESPAÑA, S.A.U.
CL BAC DE RODA, 52
08019 BARCELONA (SPAIN)

Name and address of the manufacturer
Nom et adresse du fabricant

SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED
No. 172, POONAMALLEE BY PASS ROAD, POONAMALLEE
600056 CHENNAI (Tamil Nadu - India)

Name and address of the factory
Nom et adresse de l'usine

Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

Additional Information on page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

See Annex

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

Schneider Electric

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

SMT (SMT-AENOR-001)

Model / Type Ref.
Ref. De type

Commercial name "ID Multi 9"
See references on the Annex

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} page

Additional Information on page 2

A 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

IEC 61008-1:2010

As 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

GS131/11

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN Y CERTIFICACIÓN (AENOR)
CI Génova, 6
ES-28004 MADRID (SPAIN)



Date: 2012-07-09

Signature:


Avelino BRITO
Chief Executive Officer

Additional Information

This CB modification includes specific tests for Electromagnetic Compatibility

Deviation/Other conformity Standard Information

EN 61008-1:2004 + A11:2007+A12:2009

Additional information (if necessary)

Information complémentaire (si nécessaire)

ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN Y CERTIFICACIÓN (AENOR)
C/ Génova, 6
ES-28004 MADRID (SPAIN)

Date: 2012-07-09

Signature:


Avelino BRITO
Chief Executive Officer

CERTIFIED REFERENCES AND THEIR PRINCIPAL CHARACTERISTICS

RESIDUAL CURRENT OPERATED CIRCUIT-BREAKER WITHOUT INTEGRAL OVERCURRENT PROTECTION (RCCB'S)

Trade mark: Schneider Electric

Type Ref.	No. of poles	Rated current	Rated voltage	I Δ n	Frecuency	I Δ m	I Δ m	I Δ c	I Δ c	Type	Additional Information
IDL2P1630AC	2P	16 A	230/240 V~	30 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)
IDL2P1630AC-A	2P	16 A	230/240 V~	30 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P1630AC-I	2P	16 A	230/240V~	30 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(2) (4)
IDL2P16300AC	2P	16 A	230/240 V~	300 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)
IDL2P16300AC-A	2P	16 A	230/240 V~	300 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P16300AC-I	2P	16 A	230/240 V~	300 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(2) (4)
IDL2P2530AC	2P	25 A	230/240 V~	30 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)
IDL2P2530AC-A	2P	25 A	230/240 V~	30 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P2530AC-2I	2P	25 A	230/240 V~	30 mA	50 Hz	500 A	500 A	4500 A	4500 A	AC	(2) (4)
IDL2P25300AC	2P	25 A	230/240 V~	300 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)
IDL2P25300AC-A	2P	25 A	230/240 V~	300 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P25300AC-I	2P	25 A	230/240 V~	300 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(2) (4)
IDL2P40100AC	2P	40 A	230/240 V~	100 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)
IDL2P40100AC-A	2P	40 A	230/240 V~	100 mA	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P40100AC-I	2P	40 A	230/240 V~	100 mA	50 Hz	500 A	500 A	3000 A	300 A	AC	(2) (4)
IDL2P4030AC	2P	40 A	230/240 V~	30 mA	50 Hz	500 A	500 A	3000 A	300 A	AC	(1) (4)
IDL2P4030AC-A	2P	40 A	230 /240~	30 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P4030AC-I	2P	40 A	230/240 V~	30 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(2) (4)
IDL2P4030AC-2I	2P	40 A	230/240 V~	30 Ma	50 Hz	500 A	500 A	4500 A	4500 A	AC	(2) (4)
IDL2P40300AC	2P	40 A	230/240 V~	300 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)
IDL2P40300AC-A	2P	40 A	230/240 V~	300 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(3) (4)
IDL2P40300AC-I	2P	40 A	230/240 V~	300 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(2) (4)
15249	2P	25 A	230/240 V~	30 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(2) (4)
15261	2P	40 A	230/240 V~	30 Ma	50 Hz	500 A	500 A	3000 A	3000 A	AC	(1) (4)

- First Variant: Mobile Contact arm: Copper - Fixed Contact arm: Steel (DC03CR3 with coating Sn5) – Output Terminal current carrying Part (DC03CR3 with coating Sn5). Differences between 1 and 2 variants: the shape of mobile and fixed contact arm.
- Second Variant: Mobile Contact arm: Copper - Fixed Contact arm: Steel (DC03CR3 with coating Sn5) – Output Terminal current carrying Part (DC03CR3 with coating Sn5). Differences between 1 and 2 variants: the shape of mobile and fixed contact arm.
- Third Variant: Mobile Contact: Steel (DC03CR3, Cu5, with coating Sn5)- Fixed Contact: Steel (DC03CR3 with coating Sn5) - Output Terminal current carrying Part (DC03CR3 with coating Sn5).
- 5/40 °C. . Shall be back up protected by gG 50 A fuse. A specific earth leakage current detection chains for each I Δ n , with two optional tripping relays.

In order to clarify the acceptance of these steel current-carrying parts, by the applicable standard, some actions have been taken and consultations, together with the similar coated pieces of CB Certificate No ES0630, as follows:

Steel coated current carrying current parts

As Type reference presented for approval have some of the current carrying current parts of coated steel a declaration was submitted by the manufacturer and consultation was presented as follows:

Declaration Points

- Contact material and coating material declaration for the different contacts (fix and mobile) of different variants, of the RCCB Type references submitted for certification.

CB Certificate No ES-0629-M1 RCCBs

First Variant: Mobile Contact arm: Copper - Fixed Contact arm: Steel (DC03CR3 with coating Sn5) – Output Terminal current carrying Part (DC03CR3 with coating Sn5).

Second Variant: Identical to the first one except on the mechanism fixing, shape of base and shape of the fixed contact support.

Third Variant: Mobile Contact: Steel (DC03CR3, Cu5, with coating Sn5)- Fixed Contact: Steel (DC03CR3 with coating Sn5) – Output Terminal Part (DC03CR3 with coating Sn5).

CERTIFIED REFERENCES AND THEIR PRINCIPAL CHARACTERISTICS

CB Certificate No ES-0630-M1 RCCBs.

First Variant: Mobile Contact: Copper - Fixed Contact: Steel (DC03CR3 with coating Sn5) - Output Terminal Part (DC03CR3 with coating Sn5).
Second Variant: Identical to the first one except on the mechanism fixing, shape of base and shape of the fixed contact support.
Third Variant: Mobile Contact: Steel (DC03CR3, Cu5, with coating Sn5)- Fixed Contact: Steel (DC03CR3 with coating Sn5) - Output Terminal Part (DC03CR3 with coating Sn5).

2- Study of the characteristics of coatings by AIMME Laboratory.

3- Declaration of electrochemical potentials by AIMME Laboratory

4- Test Ka: Salt Mist (48 h) according to EN60068-2-11:1999/IEC 60068-2-11(1981.01), and the criteria of acceptance has been a verification of "steel" samples in comparison with "copper" samples after the test. Testing Parts from Type Ref. IDL2P4030AC. Test Laboratory of Schneider Electric España, S.A.-Mellana.

5- Test of Resistance to rusting according clause 9.16 of EN60898-1: 2003/IEC60898-1(2003-07). Testing Parts taken from Type Ref. IDL2P4030AC. Test carried out by SMT-AENOR-001 Laboratory.

6- Measurements of coating thickness, by AIMME laboratory, after testing sequences of IEC/EN 61008-1: C, D, E and F. Testing parts from Type Ref. IDDM2P4030AC-A (TR No GS01/08R-S-M2) and Type Ref. IDL2P4030AC-I (TRGS11/08R-M2). Belonging these pieces to RCCBs of CB Certificate No ES-0630-M1 RCCBs, third Variant, and CB Certificate No ES-0629-M1 RCCBs, second variant.

Consultation to International Bodies

Consultation to CIG-Operational Staff Meeting for Installation Material and Components (OSM/IN)

Consultation presented to OSM/IN Meeting held in Prague on 20th and 21st May 2008.

Agreed Decision:

Dec. 28: 18/2008:

1) No additional tests requested as in sub-clause 8.1.4.4. The corrosion test is still under consideration.

2) Report the matter to CLC/TC 23E with the suggestion to follow the material requirements prescribed in 5.2.5 of document 23/423/CD (draft IEC TR 61916 ed.2).

AENOR
Asociación Española de
Normalización y Certificación