

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

CB TEST CERTIFICATE

Product

Circuit-breakers

Name and address of the applicant

SCHNEIDER ELECTRIC INDUSTRIES SAS
31 rue Pierre Mendès France, Eybens
F-38050 Grenoble Cedex 9
France

Name and address of the manufacturer

SCHNEIDER ELECTRIC INDUSTRIES SAS
31 rue Pierre Mendès France, Eybens
F-38050 Grenoble Cedex 9
France

Name and address of the factory

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

☐ Additional information on page 2
MERLIN GERIN ALÈS
16 Boulevard Charles Peguy,
30319 Alès Cedex
France

Ratings and principal characteristics

1P+N – Ue = 230 V – 50-60 Hz – Icu = 10000 or 6000 A
In = 6, 10, 13, 16, 20, 25, 32 or 40 A (curve B circuit-breakers)
In = 2, 4, 6, 10, 13, 16, 20, 25, 32 or 40 A (curve C circuit-breakers)
In = 2, 6, 10, 13, 16, 20, 25, 32 or 40 A (curve D circuit-breakers)
(see Additional Sheet and page 5 of Test Report No. PB16-0012452-02-00)

Trademark (if any)



Schneider Electric

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Series iDPN40
(see Additional Sheet and page 11 of Test Report No. PB16-0012452-02-00)

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

☐ Additional information on page 2
This CB Test Certificate supersedes the CBTC No. IT-18965/A2 dated 2019-03-06.
Modification introduced: new factory address.

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

IEC 60947-1:2007, IEC 60947-1:2007/AMD1:2010, IEC 60947-1:2007/AMD2:2014, IEC 60947-2:2016

National differences:

EU Group Differences

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

PB16-0012452-02-00, from PB16-0012452-02-01 to PB16-0012452-02-60, PB19-0035506-02-00, PB19-0035506-02-01, PB19-0035506-02-02 and PB19-0045933-04-00

This CB Test Certificate is issued by the National Certification Body

IMQ S.p.A.
Via Quintiliano 43, IT-I-20138 Milano, Italy



Description of the circuit-breakers series iDPN40 ($I_{cu} = 10000$ or 6000 A)

Curve	Rated current	I_{cu}	I_{cs}	Generic reference
B	6 A	10000 A	7500 A	MCB1PNSC610B6
	10 A	10000 A	7500 A	MCB1PNSC610B10
	13 A	10000 A	7500 A	MCB1PNSC610B13
	16 A	10000 A	7500 A	MCB1PNSC610B16
	20 A	10000 A	7500 A	MCB1PNSC610B20
	25 A	10000 A	7500 A	MCB1PNSC610B25
	32 A	10000 A	5000 A	MCB1PNSC610B32
	40 A	10000 A	5000 A	MCB1PNSC610B40
C	2 A	10000 A	7500 A	MCB1PNSC610C2
		6000 A	4500 A	MCB1PNSC66C2
	4 A	10000 A	7500 A	MCB1PNSC610C4
	6 A	10000 A	7500 A	MCB1PNSC610C6
		6000 A	4500 A	MCB1PNSC66C6
	10 A	10000 A	7500 A	MCB1PNSC610C10
		6000 A	4500 A	MCB1PNSC66C10
	13 A	10000 A	7500 A	MCB1PNSC610C13
	16 A	10000 A	7500 A	MCB1PNSC610C16
		6000 A	4500 A	MCB1PNSC66C16
	20 A	10000 A	7500 A	MCB1PNSC610C20
		6000 A	4500 A	MCB1PNSC66C20
	25 A	10000 A	7500 A	MCB1PNSC610C25
		6000 A	4500 A	MCB1PNSC66C25
	32 A	10000 A	5000 A	MCB1PNSC610C32
		6000 A	4500 A	MCB1PNSC66C32
	40 A	10000 A	5000 A	MCB1PNSC610C40
		6000 A	4500 A	MCB1PNSC66C40
D	2 A	10000 A	7500 A	MCB1PNSC610D2
	6 A	10000 A	7500 A	MCB1PNSC610D6
	10 A	10000 A	7500 A	MCB1PNSC610D10
	13 A	10000 A	7500 A	MCB1PNSC610D13
	16 A	10000 A	7500 A	MCB1PNSC610D16
	20 A	10000 A	7500 A	MCB1PNSC610D20
	25 A	10000 A	7500 A	MCB1PNSC610D25
	32 A	10000 A	5000 A	MCB1PNSC610D32
	40 A	10000 A	5000 A	MCB1PNSC610D40

**Description of the residual current units (series Vigi iDPN40 and Vigi iDPNG40) associated
to the circuit-breakers series iDPN40 for the tests of Annex B of IEC 60947-2:2016**

Series	Terminals	Type (¹)	Rated residual current (I _{Δn})	Rated current (I _n)	Generic reference
Vigi iDPN40	Downstream terminals	AC	30 mA	≤ 25 A	RCD1PN30AC25L
		AC	30 mA	≤ 40 A	RCD1PN30AC40L
		A	30 mA	≤ 25 A	RCD1PN30A25L
		A	30 mA	≤ 40 A	RCD1PN30A40L
		AC	300 mA	≤ 25 A	RCD1PN300AC25L
		AC	300 mA	≤ 40 A	RCD1PN300AC40L
		A	300 mA	≤ 25 A	RCD1PN300A25L
		A	300 mA	≤ 40 A	RCD1PN300A40L
		A SI (¹)	30 mA	≤ 25 A	RCD1PN30ASI25L
		A SI (¹)	30 mA	≤ 40 A	RCD1PN30ASI40L
		A SI (¹)	300 mA	≤ 25 A	RCD1PN300ASI25L
		A SI (¹)	300 mA	≤ 40 A	RCD1PN300ASI40L
Vigi iDPNG40	Upstream terminals	AC	30 mA	≤ 25 A	RCD1PN30AC25H
		AC	30 mA	≤ 40 A	RCD1PN30AC40H
		A	30 mA	≤ 25 A	RCD1PN30A25H
		A	30 mA	≤ 40 A	RCD1PN30A40H
		AC	300 mA	≤ 25 A	RCD1PN300AC25H
		AC	300 mA	≤ 40 A	RCD1PN300AC40H
		A	300 mA	≤ 25 A	RCD1PN300A25H
		A	300 mA	≤ 40 A	RCD1PN300A40H
		A SI (¹)	30 mA	≤ 25 A	RCD1PN30ASI25H
		A SI (¹)	30 mA	≤ 40 A	RCD1PN30ASI40H
		A SI (¹)	300 mA	≤ 25 A	RCD1PN300ASI25H
		A SI (¹)	300 mA	≤ 40 A	RCD1PN300ASI40H
		A SI-S (²)	300 mA	≤ 40 A	RCD1PN300ASIS40H

(¹) – “A SI”-type residual current units are A-type residual current units having an intentional short-time delay

(²) – “A SI-S”-type residual current units are A-type residual current units with time delay (type S for selectivity)

**Description of the RCBOs consisting of a circuit-breaker series iDPN40
assembled in the factory with a residual current unit series Vigi iDPNG40**

Curve	Rated current	Type (1)	Rated residual current (I Δ n)	Rated short-circuit capacity (I c n)	Generic reference
C	20 A	AC	300 mA	10000 A	RCBO1PNSC610AC300C20H
	25 A	AC	300 mA	10000 A	RCBO1PNSC610AC300C25H
	32 A	AC	300 mA	10000 A	RCBO1PNSC610AC300C32H
	40 A	AC	300 mA	10000 A	RCBO1PNSC610AC300C40H
	20 A	AC	30 mA	10000 A	RCBO1PNSC610AC30C20H
	25 A	AC	30 mA	10000 A	RCBO1PNSC610AC30C25H
	32 A	AC	30 mA	10000 A	RCBO1PNSC610AC30C32H
	40 A	AC	30 mA	10000 A	RCBO1PNSC610AC30C40H
	25 A	A SI (1)	30 mA	10000 A	RCBO1PNSC610ASI30C25H
	32 A	A SI (1)	30 mA	10000 A	RCBO1PNSC610ASI30C32H
	40 A	A SI (1)	30 mA	10000 A	RCBO1PNSC610ASI30C40H

(1) – “A SI”-type RCBOs are A-type RCBOs having an intentional short-time delay