

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Miniature Circuit Breaker

with type designation(s)
iC40

Issued to

Schneider Electric Industries SAS
GRENOBLE, France

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2024-05-22**.

Issued at **Høvik** on **2019-05-23**

DNV GL local station: **Marseille**

for **DNV GL**

Approval Engineer: **Nicolay Horn**

Trond Sjøvåg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-030289-1**
Certificate No: **TAE00003F4**

Name and Place of manufacturer

Schneider Electric / Merlin Gerin
F-30319 Alès Cedex, France

Schneider Electric Hungaria Villamossagi Zrt
Hock Janos 65, 8900 Zalaegerszeg, Hungary

Product description

Miniature Circuit Breakers with the following type designations:

Type iC40: Product	Series	Ratings	Poles	Rated Voltage	Tripping curve	Breaking capacity
Name		(A)		(V)		Icu/Ics (kA)
iC40	iDPN40	6,10,13,16,20,25,32,40	1P+N	230	B	6/4.5
		2,4,6,10,13,16,20,25,32,40			C	6/4.5
	iTSN40	6,10,13,16,20,25,32,40	3P	400	C,D	6/4.5
	iQPN40	6,10,16,20,25,32,40	3P+N		B,C,D	6/4.5
iC40N	iDPN40	6,10,13,16,20,25	1P+N	230	B	10/7.5
		32,40				10/7.5
		2,4,6,10,13,16,20,25			C	10/7.5
		2,6,10,13,16,20, 25			D	10/7.5
		32,40			C,D	10/7.5
	iTSN40	6,10,13,16,20,25,32,40	3P	400	C,D	10/7.5
	iQPN40	6,10,13,16,20,25	3P+N		B,C,D	10/7.5
iC40F	iDPN40	2,4,6,10,13,16,20,25,32,40	1P+N	230	C	6/4.5

Application /limitation

For installation inside switchboard, distribution board and control gear enclosures.

Environmental classes:

Vibration class	A
Humidity class	B
Temperature class	B

Type Approval documentation

Tests carried out

Type tested according to IEC 60947-2. Vibration test in accordance with IEC 60068-2-6 & DNVGL-CG-0339/IACQ E-10. Dry heat test in accordance with IEC 60068-2-2 & DNVGL-CG-0339/ IACQ E-10 . Damp heat test in accordance with IEC 60068-2-30 & DNVGL-CG-0339/ IACQ E-10.

Marking of product

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Manufacturer name - Type designation – Data according to IEC 60947-2 specifications -
Date/manufacturing code

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials. The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE