

# Type Approval Certificate



[ Moulded Case Circuit Breaker ]

**Initial Approval** 8 December 2014

**Manufacturer** Merlin Gerin Ales

1 Rue Maurice Ravel Boulevard Charles Peguy 30319 Ales France

**Product Description** Miniature Circuit Breaker

Type : Acti9 iC60 series (iC60N, iC60H, iC60L)

Used for : The protection and switching of distribution circuits

\* Applicant : Schneider Electric Industries SAS  
31 Rue Pierre Mendes France 38050 Grenoble cedex9  
France

" See Appendix 1 "

**Approval Condition** " See Appendix 1 "

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 1, Art. 109 of the Rules for Classification, Steel Ships.

This Certificate is valid until 7 December 2029

Issued at Busan, Korea on 25 March 2025



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME25012989599) and certificate No.(PAR32965-EL002).



**KOREAN REGISTER**

*General Manager of  
Marine & Ocean Equipment Team*

**Note :** 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.  
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.  
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.  
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 25 March 2025

### 1. Product Description :

- Type : Acti9 iC60 series (iC60N, iC60H, iC60L)

< Single terminal >

Product Type	Number of Poles	Rated Voltage (V) (50/60Hz)	Curves	Maximum Operating Current (A)	Breaking-Capacity	
					Icu/Ics (kA)	U(V)
iC60N	1, 1+N	133/240	B, C, D	0.5 - 4 A	50/50 kA	100-133V
			B, C, D	6 - 63 A	20/15 kA	100-133V
			B, C, D	0.5 - 4 A	50/50 kA	220-240V
			B, C, D	6 - 63 A	10/7.5 kA	220-240V
	2, 3, 4	133/240 /415/440	B, C, D	0.5 - 4 A	50/50 kA	100-133V
			B, C, D	6 - 63 A	20/15 kA	100-133V
			B, C, D	0.5 - 4 A	50/50 kA	220-240V
			B, C, D	6 - 63 A	20/15 kA	220-240V
			B, C, D	0.5 - 4 A	50/50 kA	380-415V
			B, C, D	6 - 63 A	10/7.5 kA	380-415V
			B, C, D	0.5 - 4 A	25/25 kA	440V
			B, C, D	6 - 63 A	6/4.5 kA	440V
	1, 1+N	133/240	B, C, D	0.5 - 4 A	70/70 kA	100-133V
			B, C, D	6 - 63 A	30/15 kA	100-133V
			B, C, D	0.5 - 4 A	70/70 kA	220-240V
			B, C, D	6 - 63 A	15/7.5 kA	220-240V
	2, 3, 4	240/415 /440	B, C, D	0.5 - 4 A	70/70 kA	220-240V
			B, C, D	6 - 63 A	30/15 kA	220-240V
			B, C, D	0.5 - 4 A	70/70 kA	380-415V
			B, C, D	6 - 63 A	15/7.5 kA	380-415V
			B, C, D	0.5 - 4 A	50/50 kA	440V
			B, C, D	6 - 63 A	10/5 kA	440V
iC60L	1	133/240	B, C, K, Z	0.5 - 4 A	100/100 kA	100-133V
			B, C, K, Z	6 - 25 A	50/50 kA	100-133V
			B, C, K, Z	32 - 40 A	36/18 kA	100-133V
			B, C, K, Z	50 - 63 A	30/15 kA	100-133V
			B, C, K, Z	0.5 - 4 A	100/100 kA	220-240V
			B, C, K, Z	6 - 25 A	25/12.5 kA	220-240V
			B, C, K, Z	32 - 40 A	20/10 kA	220-240V
			B, C, K, Z	50 - 63 A	15/7.5 kA	220-240V
	2, 3, 4	133/240 /415/440	B, C, K, Z	0.5 - 4 A	100/100 kA	100-133V
			B, C, K, Z	6 - 25 A	50/50 kA	100-133V
			B, C, K, Z	32 - 40 A	36/18 kA	100-133V
			B, C, K, Z	50 - 63 A	30/15 kA	100-133V
			B, C, K, Z	0.5 - 4 A	100/100 kA	220-240V
			B, C, K, Z	6 - 25 A	50/25 kA	220-240V
			B, C, K, Z	32 - 40 A	36/18 kA	220-240V
			B, C, K, Z	50 - 63 A	30/15 kA	220-240V
			B, C, K, Z	0.5 - 4 A	100/100 kA	380-415V
			B, C, K, Z	6 - 25 A	25/12.5 kA	380-415V
			B, C, K, Z	32 - 40 A	20/10 kA	380-415V
			B, C, K, Z	50 - 63 A	15/7.5 kA	380-415V
	1	133/240	B, C, K, Z	0.5 - 4 A	70/70 kA	440V
			B, C, K, Z	6 - 25 A	20/10 kA	440V
			B, C, K, Z	32 - 40 A	15/7.5 kA	440V
			B, C, K, Z	50 - 63 A	10/5 kA	440V

## Product Description and/or Approval Condition

Date of Issue : 25 March 2025

&lt; Double terminal &gt;

Product Type	Number of Poles	Rated Voltage (V) (50/60Hz)	Curves	Maximum Operating Current (A)	Breaking-Capacity	
					Icu/Ics (kA)	U(V)
iC60N	1, 1+N	133/240	B, C, D	0.5 - 4 A	70/70 kA	100-133V
			B, C, D	6 - 63 A	30/15 kA	100-133V
			B, C, D	0.5 - 4 A	70/70 kA	220-240V
			B, C, D	6 - 63 A	15/7.5 kA	220-240V
	2, 3, 4	240/415 /440	B, C, D	0.5 - 4 A	70/70 kA	220-240V
			B, C, D	6 - 63 A	30/15 kA	220-240V
			B, C, D	0.5 - 4 A	70/70 kA	380-415V
			B, C, D	6 - 63 A	15/7.5 kA	380-415V
iC60H	1, 1+N	133/240	B, C, D	0.5 - 4 A	70/70 kA	100-133V
			B, C, D	6 - 63 A	30/15 kA	100-133V
			B, C, D	0.5 - 4 A	70/70 kA	220-240V
			B, C, D	6 - 63 A	15/7.5 kA	220-240V
	2, 3, 4	240/415 /440	B, C, D	0.5 - 4 A	70/70 kA	220-240V
			B, C, D	6 - 63 A	30/15 kA	220-240V
			B, C, D	0.5 - 4 A	70/70 kA	380-415V
			B, C, D	6 - 63 A	15/7.5 kA	380-415V
			B, C, D	0.5 - 4 A	50/50 kA	440V
			B, C, D	6 - 63 A	10/5 kA	440V
			B, C, D	0.5 - 4 A	50/50 kA	440V
			B, C, D	6 - 63 A	10/5 kA	440V

### 2. Documentation :

- 1) CB test certificate : FR\_712777/A1, FR\_712778/A1, FR\_712776/A2, DE1-46675, DE1-46675/M2, DE1-50595
- 2) LCIE test report : 167882-752710-B, 167882-752710-C, 167882-752710-D\_A1
- 3) L2E Lab. test report : 201210125\_002, 201210125\_004, 201210125\_005, 201210125\_008
- 4) VDE test report : 5010831-4402-0001-2-118536-iC60N, 5010831-4402-0001-3-118536-iC60H, 5010831-4402-0001-4-118536-iC60L, 5010831-4402-0012-170099-1, 5010831-4402-0012-170099-2
- 5) GARDY Lab. test report : 4456-iC60H 3P D40-A9F85340-947\_Seq 2, 4458-iC60N 3P C25-A9F77325-947\_Seq 2, 4534-iC60N 3P C50-A9F77350-947\_Seq 1

### 3. Approval Condition :

- 1) This approval is granted on the basis of the CB test certificates and the test reports.
- 2) The product or packing is to be marked with manufacturer name and type designation on a suitable position.
- 3) Individual Product Certification is not required.

&lt; End of Certificate &gt;