



Certificate No. 03-001861/031565

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

MINIATURE CIRCUIT BREAKERS UP TO 63 A

Acti9 iC60

MANUFACTURER:

SCHNEIDER ELECTRIC INDUSTRIES SAS

31 Rue Pierre Mendes France – Eybens

38050 Grenoble Cedex 9

FRANCE

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS RULES FOR THE CLASSIFICATION OF SHIPS, PART 12 - ELECTRICAL EQUIPMENT

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: 2025-10-17

Place and date: Split, 2021-12-02

Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Electrical ratings according to IEC / EN 60947-2- ref. temp. 50°C

iC60N Series - electrical ratings

Number of poles: 1P, 1P+N, 2P, 3P, 4P	Utilization Category: A
Rated frequency: 50/60 Hz	Suitability for insulation: suitable
Rated operational voltage (Ue): 133V/240V, 415V, 440V	Circuit breaker for use in IT system: Yes
Overvoltage category: IV	Tripping curve : B, C, D
Rated impulse withstand voltage: Uimp: 6kV	Degree of protection: IP 20

1 Pole / 1 Pole + Neutral

Ue (V)	In (A)	Icu (kA)	Ics (kA)	Icm (kA)
100 - 133	0,5 - 4	50	50	105
	6 - 63	20	15	40
220 - 240	0,5 - 4	50	50	105
	6 - 63	10	7,5	17

2 Poles / 3 Poles / 4 Poles

Ue (V)	In (A)	Icu (kA)	Ics (kA)	Icm (kA)
100 - 133	0,5 - 4	50	50	105
	6 - 63	20	15	40
220 - 240	0,5 - 4	50	50	105
	6 - 63	20	15	40
380 - 415	0,5 - 4	50	50	105
	6 - 63	10	7,5	17
440	0,5 - 4	25	25	52,5
	6 - 63	6	4,5	9

iC60N Series Double terminal - electrical ratings

Number of poles: 1P, 1P+N, 2P, 3P, 3P+NG, 3P+ND, 4P	Utilization Category: A
Rated frequency: 50/60 Hz	Suitability for insulation: suitable
Rated operational voltage (Ue): 133V/240V, 415V, 440V	Circuit breaker for use in IT system: Yes
Overvoltage category: IV	Tripping curve : B, C, D
Rated impulse withstand voltage: Uimp: 6kV	Degree of protection: IP 20

1 Pole / 1 Pole + Neutral

Ue (V)	In (A)	Icu (kA)	Ics (kA)	Icm (kA)
100 - 133	0,5 - 4	70	70	154
	6 - 63	30	15	63
220 - 240	0,5 - 4	70	70	154
	6 - 63	15	7,5	30

2 Poles / 3 Poles / 4 Poles

Ue (V)	In (A)	Icu (kA)	Ics (kA)	Icm (kA)
220 - 240	0,5 - 4	70	70	154
	6 - 63	30	15	63
380 - 415	0,5 - 4	70	70	154
	6 - 63	15	7,5	30
440	0,5 - 4	50	50	105
	6 - 63	10	5	17

iC60H Series - electrical ratings

Number of poles: 1P, 1P+N, 2P, 3P, 4P	Utilization Category: A
Rated frequency: 50/60 Hz	Suitability for insulation: suitable
Rated operational voltage (Ue): 133V/240V, 415V, 440V	Circuit breaker for use in IT system: Yes
Overvoltage category: IV	Tripping curve : B, C, D
Rated impulse withstand voltage: Uimp: 6kV	Degree of protection: IP 20

1 Pole / 1 Pole + Neutral

Ue (V)	In (A)	Icu (kA)	Ics (kA)	Icm (kA)
100 - 133	0,5 - 4	70	70	154
	6 - 63	30	15	63
220 - 240	0,5 - 4	70	70	154
	6 - 63	15	7,5	30

2 Poles / 3 Poles / 4 Poles

Ue (V)	In (A)	Icu (kA)	Ics (kA)	Icm (kA)
220 - 240	0,5 - 4	70	70	154
	6 - 63	30	15	63
380 - 415	0,5 - 4	70	70	154
	6 - 63	15	7,5	30
440	0,5 - 4	50	50	105
	6 - 63	10	5	17

iC60H Series Double terminal - electrical ratings

Number of poles: 1P, 1P+N, 2P, 3P, 4P	Utilization Category: A
Rated frequency: 50/60 Hz	Suitability for insulation: suitable
Rated operational voltage (Ue): 133V/240V, 415V, 440V	Circuit breaker for use in IT system: Yes
Overtoltage category: IV	Tripping curve : B, C, K, Z
Rated impulse withstand voltage: Uimp: 6kV	Degree of protection: IP 20

1 Pole / 1 Pole + Neutral

Ue (V)	In (A)	lcu (kA)	lcs (kA)	lcm (kA)
100 - 133	0,5 - 4	70	70	154
	6 - 63	30	15	63
220 - 240	0,5 - 4	70	70	154
	6 - 63	15	7,5	30

2 Poles / 3 Poles / 4 Poles

Ue (V)	In (A)	lcu (kA)	lcs (kA)	lcm (kA)
220 - 240	0,5 - 4	70	70	154
	6 - 63	30	15	63
380 - 415	0,5 - 4	70	70	154
	6 - 63	15	7,5	30
440	0,5 - 4	50	50	105
	6 - 63	10	5	17

iC60L Series - electrical ratings

Number of poles: 1P, 1P+N, 2P, 3P, 4P	Utilization Category: A
Rated frequency: 50/60 Hz	Suitability for insulation: suitable
Rated operational voltage (Ue): 133V/240V, 415V, 440V	Circuit breaker for use in IT system: Yes
Overtoltage category: IV	Tripping curve : B, C, K, Z
Rated impulse withstand voltage: Uimp: 6kV	Degree of protection: IP 20

1 Pole

Ue (V)	In (A)	lcu (kA)	lcs (kA)	lcm (kA)
100 - 133	0,5 - 4	100	100	220
	6 - 25	50	50	105
	32 - 40	36	18	75,6
	50 - 63	30	15	63
220 - 240	0,5 - 4	100	100	220
	6 - 25	25	12,5	52,5
	32 - 40	20	10	40
	50 - 63	15	7,5	30

2 Poles / 3 Poles / 4 Poles

Ue (V)	In (A)	lcu (kA)	lcs (kA)	lcm (kA)
100 - 133	0,5 - 4	100	100	220
	6 - 25	50	50	105
	32 - 40	36	18	75,6
	50 - 63	30	15	63
220 - 240	0,5 - 4	100	100	220
	6 - 25	50	25	105
	32 - 40	36	18	75,6
	50 - 63	30	15	63
380 - 415	0,5 - 4	100	100	220
	6 - 25	25	12,5	52,5
	32 - 40	20	10	40
	50 - 63	15	7,5	30
440	0,5 - 4	70	70	154
	6 - 25	20	10	40
	32 - 40	15	7,5	30
	50 - 63	10	5	17

APPLICATION / LIMITATIONS:

For indoor installation.

TYPE APPROVAL DOCUMENTATION:

CATALOG Acti 9

CB test Certificates:

DE1-46675; DE1-46675/M2, DE1-50595

L2E Laboratory test reports:

201210125_002 (05/03/2013), 201210125-004 (11/03/2013), 201210125-005 (20/02/2013), 201210125-008 (07/03/2013)

VDE test reports:

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

MARKING OF PRODUCT:

As is indicate in product description.

CONDITIONS FOR CERTIFICATION:

No