



TÜV AUSTRIA GMBH
Certification Body

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CERTIFICATE OF CONFORMITY

Certificate – No.: **TA385255639**

Product: **Miniature Circuit Breaker** Applicant: **Kara Altech Pouya**
(Schneider Electric Industries Iran).

No. 76, Karafarinan Square, Simin
Dasht Industrial Park, Shahriar
Road, Karaj - Iran

Manufacturer: Same as Applicant

Type / Models /
Trademark: **Spectre**

Description /
Technical Specification: **M9 C60 Range.**
2A up to 63A - 1P, 2P, 3P, 4P - Curves B & C in AC/DC operations.
Icu= 10kA, 15kA.
Ics= 7.5kA.
Uimp = 6kV.
Ui=500V.
Utilization category: A

Standard(s) / Product -
Certification Basis: **IEC 60947-1:2014, IEC 60947-2:2019**

Test Report: **R-IR-25/006**

Comments:

Hereby it is certified that product conformity assessment has been performed for the above mentioned product, manufactured by **Kara Altech Pouya Co. (Schneider Electric Industries Iran)**. Results of different tests and conformity of production show that the product has been manufactured in compliance with the requirements of reference standards. This Certificate of conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacture or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA GMBH. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA.

Issuance Date: **15.07.2025**

Validity: **14.07.2028**

Dr. Kamran Rezaie, Certification representative

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The holder of this document is advised that it does not reflect a Notified Body's opinion but that the information contained hereon reflects the certification body's findings on the date of issue and within the limits of the applicant's instructions, if any.

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Attachment to Certificate No. TA385255639

List of the conducted tests on the subject product manufactured by
Kara Altech Pouya Co. (Schneider Electric Industries Iran)

Standard	Clause	Test	Verdict
IEC 60947-1:2007 AMD1:2010 AMD2:2014	5.2	Marking	PASS
	8.2	Compliance with constructional requirements	
	8.2.1.1.1	Glow-wire test (on equipment)	PASS
	8.2.1.1.2	Flammability, hot wire ignition and arc ignition tests (on materials)	PASS
	8.2.3	Enclosures for equipment	PASS
	8.2.4	Mechanical and Electrical properties of terminals	PASS
	8.2.5	Verification of the Verification of the effectiveness of indication of the main contact position of equipment suitable for isolation	PASS
	8.2.7	Conduit pull-out test, torque test and bending test with metallic conduits	PASS
IEC 60947-2:2016 AMD1:2019	3	CLASSIFICATION	
	Test sequence I: General performance characteristics		
	8.3.3.2	Test of tripping limits and characteristics	PASS
	8.3.3.3	Dielectric properties	PASS
	8.3.3.4	Tests of mechanical operation and of operational performance capability	PASS
	8.3.3.5	Overload performance	PASS
	8.3.3.6	Verification of dielectric withstand	PASS
	8.3.3.7	Verification of temperature-rise	PASS
	8.3.3.8	Verification of overload releases	PASS
	8.3.3.10	Verification of the main contact position	PASS
	Test sequence II: Rated service short-circuit breaking capacity		
	8.3.4.2	Test of rated service short-circuit breaking capacity	PASS
	8.3.4.3	Verification of operational performance capability	PASS
	8.3.4.4	Verification of temperature-rise	PASS
	8.3.4.6	Verification of overload releases	PASS
	Test sequence III: Rated ultimate short-circuit breaking capacity		
	8.3.5.2	Verification of overload releases	PASS
	8.3.5.3	Test of rated ultimate short-circuit breaking capacity	PASS
	8.3.5.4	Verification of dielectric withstand	PASS
	8.3.5.5	Verification of overload releases	PASS
	Test sequence VII: Circuit-breakers with d.c. ratings		
	8.3.9	Critical d.c. load current	PASS

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Ratings:

Rated operational voltage (U_e)	: 230 VAC / 240 VAC / 415 VAC / 440 VAC 60 VDC / 125 VDC / 250 VDC
Number of poles	: 1P, 2P, 3P & 4P
Rated current	: 2A up to 63 A
Nature of supply	: AC / DC
Range of instantaneous tripping overcurrent (curve)	: B & C
Rated frequency	: 50/60 Hz
Rated service short-circuit current	: C60N AC: 15 kA / 7,5 kA / 4,5 kA / 2,25 kA DC: 1P=15 kA, 2P=20 kA, 3P=30 kA, 4P=40 kA C60H AC: 15 kA / 7,5 kA / 5 kA / 3 kA DC: 1P=20 kA, 2P=25 kA, 3P=40 kA, 4P=50 kA
Rated ultimate short-circuit current	: C60N AC: 20 kA / 10 kA / 6 kA / 3 kA DC: 1P=15 kA, 2P=20 kA, 3P=30 kA, 4P=40 kA C60H AC: 30 kA / 15 kA / 10 kA / 6 kA DC: 1P=20 kA, 2P=25 kA, 3P=40 kA, 4P=50 kA
Method of operation	: Independent manual operation
Suitability for isolation	: Yes
Rated impulse withstand voltage (U_{imp})	: 6 kV
Rated insulation voltage (U_i)	: 500 V
Rated ambient temperature (t_a)	: +50°C
Distance of metal screens from the terminals	: 100 mm
Distance of metal screen from the side of circuit-breaker	: 50 mm
Utilization category	: A
Method of mounting	: DIN-rail, in enclosure
Protection against electric shock	: IP20, IP40 under cover plate
Terminals	: Pillar terminals
