

ASTA

CERTIFICATE OF TYPE TESTS

Laboratory Ref. No: 1702.01.14/15/16

APPARATUS: 3-Pole Contactors, fitted with gL / gG type fuse. Rated operational voltage, $U_e = 415/400V$, $U_i = 1000V$, $U_{imp} = 8kV$, Utilisation Category AC-3 and AC-5a. Operational Temperature: 40°C.

- Rated Operational Current $I_e = 25A$, Type: SCG25
- Rated Operational Current $I_e = 40A$, Type: SCG40
- Rated Operational Current $I_e = 95A$, Type: SCG95

DESIGNATION: Sigma SCG25, SCG40 and SCG95

MANUFACTURER: Sigma Elektrik Sanayi ve Ticaret A.S.
Yunus Emre Mah, Yenidogan Yolu Cad. No:30/A Sancaktepe Istanbul, Turkey

TESTED BY: TESTLA Elektrik Laboratuvarları Tic. Ltd. Şti
Kuzuluk Beldesi Topçusırtı Mah. Ankara Cad. No:34., Sakarya, Turkey

DATES OF TESTS: 6th to 14th March 2017

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

**IEC 60947-4-1: 2012-07 Edition 3.1 –
Test sequences 1, 2, 3 and 4**

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance is considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as stated below.

For ratings assigned by the manufacturer and proved by the tests see page A.

The record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 27 pages, 50 oscillograms, 30 photographs, 67 drawings and no other sheets as detailed on pages 2 to 5.

Only integral reproduction of this Certificate, or reproductions of this page accompanied by any page(s) on which are stated the assigned rated characteristics of the apparatus tested, are permitted without written permission from Intertek Testing and Certification Ltd, Centre Court, Meridian Business Park, Leicester LE19 1WD, United Kingdom. Contact: asta@intertek.com Tel: +44 (0)116 263 0330



Rajani Menon

Rajani Menon
ASTA Observer

Stephen

Certification
Manager

14th December 2017

Date

Laboratory Ref. No: 1702.01.14/15/16

Page A

Ratings Assigned by the Manufacturer and Proved by Tests**Contactors SCG25, SCG40 and SCG95:****Test Sequence 1:**

Verification of temperature-rise (Clause 9.3.3.3):	Verified
Verification of operation and operating limits (Clause 9.3.3.1 and 9.3.3.2):	Verified
Verification of dielectric properties (Clause 9.3.3.4): $U_i=1000V$; $U_{imp}=8kV$	Verified

Test Sequence 2:

Verification of rated making and breaking capacities (Clause 9.3.3.5)	Verified
Verification of conventional operational performance (Clause 9.3.3.6)	Verified

Test Sequence 3:

Performance under short-circuit conditions (Clause 9.3.4)	Verified
Rated prospective short-circuit current "r" = 3 kA for Contactors SCG25 and SCG 40	
Rated prospective short-circuit current "r" = 5 kA for Contactor SCG95	

Test Sequence 4:

Verification of ability to withstand overload currents (Clause 9.3.5)	Verified
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Date of Tests: 6th to 14th March 2017**Rajani Menon, ASTA Observer**