Testing laboratory **Pierre SIAT** 67230 BENFELD FRANCE	**TESTING REPORT** **N° : TR 8939 SYS**	**Page : 1/20**

TESTED MATERIAL

Designation : Busbar support system SBC-30

Manufacturer: SOCOMEC S.A.
1-4, route de Westhouse
67230 BENFELD FRANCE

TESTS SUBJECT

Date of tests : 22nd and 28th of january 2003
Applicant : SOCOMEC S.A.
According to : The international standard **CEI 60439-1** (1999)

Low-voltage switchgear and controlgear assemblies
Part 1 :
Type-tested and partially type-tested assemblies

In presence of : /

CONTENT OF THE TESTING REPORT

The tests results obtained during the tests written down in this report justify the rated characteristics given in page 2

Date : 1st of april 2003

The writer **The testing manager**

Dominique HESSMANN **Denis HAENSEL**

LABORATOIRE D'ESSAIS ELECTRIQUES Pierre SIAT 67235 BENFELD FRANCE

CHARACTERISTICS AND PRESENTATION OF THE TESTING MATERIAL

Commercial designation : Busbar support system SBC-30

Description-presentation : Edgewise mounting busbar support system :
Bar thickness : 10 mm
Bar height : 160 mm
Bar material : Bare copper Cu-ETP (CUA1H12)
Interphase : 185 mm
Number of bars per phase : 3
Number of poles : 3

1st configuration tested : Distance between supports = 300 mm
2nd configuration tested : Distance between supports = 600 mm

Rated short-time current (Icw) : 80 kA rms during 1 s

Rated peak withstand current (Ipk) : 176 kA peak

Rated frequency : 50 Hz

Dimensions drawings : S690033.TDP on page 20

TESTS PROGRAM

Reference of the test samples	Date of reception	Tests carried out	Date of test	pages
KLI/210103/02	21/01/03	**1st configuration : distance between supports = 300 mm**		
		Test n° 1 Verification of rated short-time current Icw = 30 kA 1 s Verification of rated peak withstand current Ipk = 63 kA peak	22/01/03	4 & 5
		Test n° 2 Verification of rated short-time current Icw = 50 kA 1 s Verification of rated peak withstand current Ipk = 105 kA peak	22/01/03	4 & 5
		Test n° 3 Verification of rated short-time current Icw = 80 kA 1 s Verification of rated peak withstand current Ipk = 176 kA peak	28/01/03	4 & 5
		2nd configuration : distance between supports = 600 mm		
		Test n° 1 Verification of rated short-time current Icw = 50 kA 1 s Verification of rated peak withstand current Ipk = 105 kA peak	28/01/03	6 & 7
		Test n° 2 Verification of rated short-time current Icw = 60 kA 1 s Verification of rated peak withstand current Ipk = 132 kA peak	28/01/03	6 & 7
		Test n° 3 Verification of rated short-time current Icw = 80 kA 1 s Verification of rated peak withstand current Ipk = 176 kA peak	28/01/03	6 & 7