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ATTESTATION OF PERFORMANCE No AP 8926 SYS

Following specifications :

Manufacturer specifications according to IEC 60439-1

TESTED MATERIAL

Designation : Mounting accessories
Type : Busbar supports
Rating : SBC 10
Manufacturer : SOCOMEC S.A. 67230 BENFELD FRANCE

Rated characteristics :

The above-mentioned material have been submitted to the tests according to IEC 60439-1 standard.

The test results are in the attached table

Date :

The writer

Dominique HESSMANN



Tests standard and certification manager

Dominique MARBACH

TESTED MATERIAL	TEST RESULTS
Straight busbar Busbar support SBC 10 with bars : 40x10 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 50.6 kA rms <u>Test duration</u> : 1.1 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 63.5x6.35 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 66.06 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Deformation of the bars, Good Withstand of the supports
Straight busbar Busbar support SBC 10 with bars : 101.6x6.35 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 66.7 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 100x10 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 51.4 kA rms <u>Test duration</u> : 1.1 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 120x10 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 50.3 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 63.5x6.35 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Single-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 41.4 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 101.6x6.35 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Single-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 39.6 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 40x10 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Single-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 30.5 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand
Straight busbar Busbar support SBC 10 with bars : 100x10 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Single-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 40.2 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand

TESTED MATERIAL	TEST RESULTS
Straight busbar Busbar support SBC 10 with bars : 120x10 mm Cu	SHORT CIRCUIT WITHSTAND TEST (Single-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 30.7 kA rms <u>Test duration</u> : 1.06 s <u>Observations</u> : Good Withstand
Riser busbar Busbar support SBC 10 with bars : 63.5x6.35 mm Cu (Main busbar) 40x10 mm Cu (Outgoing busbar)	SHORT CIRCUIT WITHSTAND TEST (Single-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 31.7 kA rms <u>Test duration</u> : 1.1 s <u>Observations</u> : Good Withstand
Riser busbar Busbar support SBC 10 with bars : 63.5x6.35 mm Cu (Main busbar) 40x10 mm Cu (Outgoing busbar)	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 300 mm <u>Test current</u> : 50.7 kA rms <u>Test duration</u> : 1.08 s <u>Observations</u> : Good Withstand
Riser busbar Busbar support SBC 10 with bars : 120x10 mm Cu (Main busbar) 120x10 mm Cu (Outgoing busbar)	SHORT CIRCUIT WITHSTAND TEST (Three-phase) <u>Distance between supports</u> : 350 mm (Main busbar) <u>Distance between supports</u> : 250 mm (Outgoing busbar) <u>Test current</u> : 51.5 kA rms <u>Test duration</u> : 1.08 <u>Observations</u> : Good Withstand
Busbar support SBC 10	IMPULSE VOLTAGE TEST <u>Impulse voltage (U_{imp})</u> : 12 kV <u>Observations</u> : Good Withstand
Busbar support SBC 10	GLOW WIRE TEST <u>Test temperature</u> : 660 °C <u>Observations</u> : No flaming or glowing during the test
Busbar support SBC 10	DIELECTRIC TEST 50 Hz 1 min <u>Test voltage</u> : 12 kV <u>Observations</u> : Good Withstand
Busbar support SBC 10	COMPARATIVE TRACKING INDEX <u>Material group</u> : II <u>Test voltage</u> : 550 V <u>Number of drops</u> : 55 <u>Observations</u> : Good Withstand