

EuroMax Compact Substation



“ Completed with your requirement ”

Unit Substation 12-36 kV, 150-1600 kVA
IEC 62271-202 Regulation

Engineering ideas into reality

SATS
Certification

DAkKS
Deutsche
Akkreditierungsstelle


PILLER
THAILAND

Certified By SATS

<p>SATS Scandinavian Association for Testing of Electric Power Equipment</p> <p>REPORT OF PERFORMANCE No. 12-B33</p> <p>Client Piller (Thailand) Co., Ltd., 75 Moo 3, Petchkasem Road, T. Banmai, A. Samparn, NakornPathom 73110, Thailand.</p> <p>Test object Two identical high-voltage / low-voltage prefabricated substations, each with a high-voltage metal-enclosed switchgear and controlgear type SafeRing / SafePlus CCF. The serial no. of the first substation was 1000501, including SafeRing / SafePlus CCF with serial no. 201211105020002. The serial no. of the second substation was 1000502, including SafeRing / SafePlus CCF with serial no. 201211105020001.</p> <p>Designation EuroMax EMP-500.</p> <p>Manufacturer Piller (Thailand) Co., Ltd., 75 Moo 3, Petchkasem Road, T. Banmai, A. Samparn, NakornPathom 73110, Thailand.</p> <p>Ratings assigned by the manufacturer Rated voltage: 24 kV Rated normal current: 630 A Rated frequency: 50 Hz</p> <p>Tests performed 2 three-phase internal arcing tests were performed. Test no. 1 was according to accessibility type A and test no. 2 was according to accessibility type B. Both tests were performed with a test current of 20 kA for 1 s, and with arc initiation inside the high-voltage switchgear with air replacing SF₆.</p> <p>Standards International Standard IEC 62271-202, First edition 2006-06, subclause 6.8. Internal arcing test.</p> <p>Testing station NEFI High Power Laboratory, Stulenvegen 71, N-3721 Skiin, Norway. The laboratory is accredited according to NS-EN ISO/IEC 17025 by the Norwegian Accreditation, TEST040.</p> <p>Date of tests 2012-12-12 and 2012-12-13.</p> <p>Test results The test object fulfilled the criteria of the standard. These internal arcing tests are applicable for a classification of the test object according to IAC-AB – 20 kA – 1 s.</p> <p>The documents forming this report Title page and 28 numbered pages.</p> <p>Skiin, 2013-02-01</p> <p>Place and Date Laboratory Manager: Mr. Tor Bratberg SATS Inspector: Mr. Leif B. Kaalstad</p> <p>This report applies only to the specific piece of apparatus tested from the particular place of manufacture This report may not be reproduced other than in full, except with the prior written approval of SATS Certification</p>	<p>RoP No. 12-B33 Page No. 1 of 28</p> <p>RoP No. 12-B33 Page No. 1 of 28</p> <p>Client Piller (Thailand) Co., Ltd., 75 Moo 3, Petchkasem Road, T. Banmai, A. Samparn, NakornPathom 73110, Thailand.</p> <p>Test object Two identical high-voltage / low-voltage prefabricated substations, each with a high-voltage metal-enclosed switchgear and controlgear type SafeRing / SafePlus CCF. The serial no. of the first substation was 1000501, including SafeRing / SafePlus CCF with serial no. 201211105020002. The serial no. of the second substation was 1000502, including SafeRing / SafePlus CCF with serial no. 201211105020001.</p> <p>Designation EuroMax EMP-500.</p> <p>Manufacturer Piller (Thailand) Co., Ltd., 75 Moo 3, Petchkasem Road, T. Banmai, A. Samparn, NakornPathom 73110, Thailand.</p> <p>Ratings assigned by the manufacturer Rated voltage: 24 kV Rated normal current: 630 A Rated frequency: 50 Hz</p> <p>Tests performed 2 three-phase internal arcing tests were performed. Test no. 1 was according to accessibility type A and test no. 2 was according to accessibility type B. Both tests were performed with a test current of 20 kA for 1 s, and with arc initiation inside the high-voltage switchgear with air replacing SF₆.</p> <p>Standards International Standard IEC 62271-202, First edition 2006-06, subclause 6.8. Internal arcing test.</p> <p>Testing station NEFI High Power Laboratory, Stulenvegen 71, N-3721 Skiin, Norway. The laboratory is accredited according to NS-EN ISO/IEC 17025 by the Norwegian Accreditation, TEST040.</p> <p>Date of tests 2012-12-12 and 2012-12-13.</p> <p>Test results The test object fulfilled the criteria of the standard. These internal arcing tests are applicable for a classification of the test object according to IAC-AB – 20 kA – 1 s.</p> <p>The documents forming this report Title page and 28 numbered pages.</p> <p>Skiin, 2013-02-01</p> <p>Place and Date Laboratory Manager: Mr. Tor Bratberg SATS Inspector: Mr. Leif B. Kaalstad</p> <p>This report applies only to the specific piece of apparatus tested from the particular place of manufacture This report may not be reproduced other than in full, except with the prior written approval of SATS Certification</p>
---	---



" EMP 1000-1600 PEHLA No.4 IEC 62271-202 " Before Test



" EMP 1000-1600 PEHLA No.4 IEC 62271-202 " After Test



Internal arcing tests in accordance with IEC 62271-202 on high-voltage / low-voltage prefabricated substations



