

# TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	<b>42 218 - 01 HH</b>
Company	<b>Littelfuse Selco A/S</b> <b>Betonvej 10</b> <b>4000 Roskilde, DENMARK</b>
Product Description	<b>Check Synchronizer, Synchronoscope</b>
Type	<b>M8100</b>
Environmental Category	<b>C</b>
Technical Data / Range of Application	<b>Rated voltage Umax: 660VAC</b> <b>Burden: 2x3VA</b> <b>Rated frequency: 35-70HZ</b> <b>Pull in/drop out difference frequency: 9Hz</b>  <b>Synchronoscope:</b> <b>Visual indication of bus voltage, generator voltage</b> <b>Phase difference indication by 38LED's</b>  <b>Check Synchronizer Relay for low voltage installations:</b> <b>Voltage difference +/- 10% up to +/- 20%</b> <b>Difference frequency 0,15Hz up to 0,3HZ</b> <b>Phase difference +/- 6° up to +/-12°</b> <b>Contact rating: AC: 250V, 1,2A, 125VA, DC: 30V, 1A, 30W</b>
Test Standard	<b>GL Guidelines for the Performance of Type Approvals, Chapter 2 - Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012</b>
Documents	<b>Test report : SELCO A/S CE test report M8100,</b> <b>DELTA K222483-1 dated 19.12.2001; DANAK-198611</b>
Remarks	<b>This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.</b>

Valid until **2017-06-28**

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File No. **I.L.03**

**Hamburg, 2014-11-03**

Type Approval Symbol



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