



# Type Approval Certificate

Germanischer Lloyd

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

Certificate No. 26 099 - 05 HH

Company ABB Automation Technologies AB  
Cewe-Control  
Motorgränd 20  
S-72161 Västerås

Product Description Softstarter

Type PST85, PST105, PST142

Environmental Category C

| Technical Data /<br>Range of Application | 400 V | 500 V | 690 V  | Ie (In-Line) |
|--|-------|-------|--------|--------------|
| PST85                                    | 45 kW | 55 kW | 75 kW  | 85 A         |
| PST105                                   | 55 kW | 75 kW | 90 kW  | 105 A        |
| PST142                                   | 75 kW | 90 kW | 132 kW | 142 A        |

Supply voltage: 100... 250 V 50/60Hz

Rated insulation voltage Ui 690 V

Rated impulse withstand Uimp 6 kV (Main circuit)

Rated impulse withstand Uimp 4 kV (Control/ Auxiliary circuit)

Starting capacity 3 x Ir for 15sec

Degree of protection: IP00 Main circuit, IP 20 Supply and control circuit  
Protection: Overload, Locked rotor protection, Phase imbalance  
High current, Phase reversal protection

Test Standard Guidelines for the Performance of Type Approvals Part 2, Edition 2003, EMC 1  
IEC 60947-4-2:1999 + A1:2001

Documents Test report : SEMKO 404955 dated 2004-04-04  
DELTA REC-E701161 dated 2005-04-21  
DELTA REC-E701112 dated 2005-04-21

Remarks None

Valid until 2010-05-25

Page 1 of 1

Type Approval Symbol



File No. I.H.02

Hamburg, 2005-05-26

Germanischer Lloyd

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".