



Type Approval Certificate Extension

This is to certify that Certificate No. 00/00154 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER ABB Automation Technologies AB

PLACE OF PRODUCTION Cewe-Control
Motorgrand 20
SE-721 61 Vasteras
Sweden

DESCRIPTION Solid State Soft Motor Starters

PSS Softstarter range with plastic enclosures

APPLICATION Marine, offshore and industrial use in environmental categories ENV1 and ENV2 as defined in LR Test Specification No. 1: 1996.

SPECIFIED STANDARDS IEC 60947-4-2: 1995
Amendment 1 (1997)

RATINGS

Type	Motor Rating 3 Phase, 50/60 Hz A.C.		
	Operational Voltage (V)	Motor Power (kW)	Operational Current I _e (A)
PSS 18	230/400/500/690	4/7.5/11/15	18
PSS 30	"	7.5/15/18.5/25	30
PSS 37	"	9/18.5/22/30	37
PSS 44	"	11/22/25/37	44
PSS 50	"	12.5/25/30/45	50
PSS 60	"	15/30/37/55	60
PSS 72	"	18.5/37/45/59	72

Certificate No. 00/00154(E1)

Issue Date 16 October 2005

Expiry Date 3 November 2010

1 of 2

M.H.A. Rufaie
London Plan Approval
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No.01/00154(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 00/00154 to which this extension should be attached.

Certificate No.	00/00154(E1)
Issue Date	16 October 2005
Expiry Date	3 November 2010
Sheet	2 of 2

M.H.A. Rufaie
London Plan Approval
Lloyd's Register EMEA

*Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS*

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Type Approval Certificate

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

This certificate is issued to:

PRODUCER	ABB Control AB
PLACE OF PRODUCTION	Saltängsvägen 26 S-72161 Västerås Sweden
DESCRIPTION	Solid State Soft Motor Starters PSS Softstarter range with plastic enclosures
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in LR Test Specification No. 1: 1996.
SPECIFIED STANDARDS	IEC 60947-4-2: 1995 Amendment 1 (1997)

RATINGS

Type	Motor Rating 3 Phase, 50Hz		
	Operational Voltage (V)	Motor Power (kW)	Operational Current I _e (A)
PSS 18	230/400/500/690	4/7.5/11/15	18
PSS 30	"	7.5/15/18.5/25	30
PSS 37		9/18.5/22/30	37
PSS 44		11/22/25/37	44
PSS 50		12.5/25/30/45	50
PSS 60		15/30/37/55	60
PSS 72		18.5/37/45/59	72

Certificate No.	00/00154
Issue Date	December 2000
Expiry Date	30 November 2005

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M.H.A. Rufaie



TYPE APPROVED

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify LR of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 00/00154 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 00/00154
Issue Date 1 December 2000
Expiry Date 30 November 2005
Sheet 2 of 2

M.H.A. Rufaie



Lloyd's Register of Shipping
71 Fenchurch Street, London EC3M 4BS