



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 Lloyd's Register Type Approval System.

This certificate supersedes certificate number 15/20013 issued on 29.01.2015 which is hereby cancelled.

This certificate is issued to:

PRODUCER	ABB AB Control Products Motorgränd 20 SE-72161 Västerås, Sweden
DESCRIPTION	Softstarter Type PSE
TYPE	PSE①-②-③-④ according following selection types for type codes ①= Current rating [A]: 18, 25, 30, 37, 45, 60, 72, 85, 105, 142, 170, 210, 250, 300, 370
TYPE (continued)	②= Operational voltage: 600: 208 – 500 V 50/60 Hz ③ = Control supply voltage: 70: 110 – 250 V 50/60 Hz ④ = Design code: PSE frame C (PSE210, PSE250, PSE300, PSE370 types only) Software versions: PSE 01.03.x

Certificate No.	15/20013 (E1)
Issue Date	02 November 2018
Expiry Date	01 November 2023
Sheet	1 of 4

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



Antje Herms-Bondzio
Hamburg Technical Support Office
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APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System, Test Specification Number 1:2013.

STANDARD

IEC 60947-4-2: 2011
EN 60947-4-2: 2012

RATINGS

Power Size	Power Rating Normal [kW]	Utilization Category
500 V		
PSE18	11	AC-53a : 5-2 : 50-10
PSE25	15	
PSE30	18.5	
PSE37	22	
PSE45	30	
PSE60	37	
PSE72	45	
PSE85	55	
PSE105	75	
PSE142	90	
PSE170	110	
PSE210	132	
PSE250	160	
PSE300	200	
PSE370	250	
400 V		
PSE 18	7.5	AC-53a : 5-2 : 50-10
PSE25	11	
PSE30	15	

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RATINGS (continued)

Power Size	Power Rating Normal [kW]	Utilization Category
400 V		
PSE37	18.5	AC-53a : 5-2 : 50-10
PSE45	22	
PSE60	30	
PSE72	37	
PSE85	45	
PSE105	55	
PSE142	75	
PSE170	90	
PSE210	110	
PSE250	132	
PSE300	160	
PSE370	200	
220 - 240 V		
PSE 18	4	AC-53a : 5-2 : 50-10
PSE25	5.5	
PSE30	7.5	
PSE37	9	
PSE45	11	
PSE60	15	
PSE72	18.5	
PSE85	22	
PSE105	30	
PSE142	40	
PSE170	45	
PSE210	59	

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RATINGS (continued)

Power Size	Power Rating Normal [kW]	Utilization Category
220 – 240 V		
PSE250	75	AC-53a : 5-2 : 50-10
PSE300	90	
PSE370	110	

PLACE OF PRODUCTION

ABB AB, Control Products
Motorgränd 20,
SE-72161 Västerås,
Sweden

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 37505-18 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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