

# Certificate of Compliance

Certificate: 1112525

Master Contract: 165767

Project: 1112525

Date Issued: November 21, 2000

Issued to: **ABB SCHALT-UND  
Steuerungstechnik GmbH  
Eppelheimer Strasse 82  
69123 HEIDELBERG  
GERMANY**

*The products listed below are eligible to bear the CSA Mark shown*



Issued by: G. Foulem, E.I.T.

Signature: *G. Foulem*

## PRODUCTS

CLASS 3211 05 - INDUSTRIAL CONTROL EQUIPMENT - Motor controllers - Manual

Across-the-line Manual Motor Starters, Type MS116, 600V ac 3-phase, open type, with adjustable thermal overload setting, with non-adjustable magnetic tripping, rated as indicated below:

- Feeder Busbar System Type PS1, 600V ac 3-phase 63A max.
- Auxiliary Contract Unit, Type HKF1-11, one No, one NC contact, code rated C300 Q300
- Print Adapters, Types PA1 and PA1-HKF1
- Busbar System, Type PS9, 600V ac 3-phase 63A
- Auxiliary Contact Unit, Type HK1, 2 NO/NC contacts, code rated B600 Q300
- Indicating Contact Unit, Type SK1, 2NO/NC contacts, code rated B600 Q300

### Notes:

- 1 The open type starters are Certified as units for mounting in industrial control panels or in machine tools cavities, etc., where the final assembly is acceptable to the Canadian Standards Association.
- 2 The auxiliary contact unit Type HKF1, HKF1 and SK1 and the print adapters Type PA1 and PA1-HKF1 are for use with Certified motor starter Type MS116 only.

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AC Horsepower Rating for MS116

Phase	Current Range	Voltage			
		110V - 120V	220V - 240V	440V - 480V	550V - 600V
3 ph 1ph	0.1 - 0.16	- -	- -	- -	- -
3 ph 1ph	0.16 - 0.25	- -	- -	- -	- -
3 ph 1ph	0.25 - 0.4	- -	- -	- -	- -
3 ph 1ph	0.40 - 0.63	- -	- -	- -	- -
3 ph 1ph	0.63 - 1.0	- -	- -	1/2 -	1/2 -
3 ph 1ph	1.0 - 1.6	- -	- 1/10	3/4 -	3 / 4 -
3 ph 1ph	1.6 - 2.5	- -	1 / 2 1/6	1 -	1-1/2 -
3 ph 1ph	2.5 - 4.0	- 1/8	1 1/3	2 -	3 -
3 ph 1ph	4.0 - 6.3	- 1/4	1-1/2 1/2	3 -	5 -
3 ph 1ph	6.3 - 10.0	- 1/2	3 1-1/2	5 -	7-1/2 -
3 ph 1ph	10.0 - 16.0	- 1	5 2	10 -	10 -

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Short Circuit Ratings for Group Installations

Short Circuit Ratings at 480V ac

MS116	5kA		18kA		50kA	
Current Range	Fuse (A)	MCCB	Fuse (A)	MCCB	Fuse (A)	MCCB
0.1 - 0.16	1200		1200			
0.16 - 0.25	1200		1200			
0.25 - 0.4	1200		1200			
0.4 - 0.63	1200		1200			
0.63 - 1.0	1200		1200			
1.0 - 1.6	1200		1200			
1.6 - 2.5	1200		1200			
2.5 - 4.0	1200		1200			
4.0 - 6.3	1200		1200			
6.3 - 10.0	1200		1200			
10.0 - 16.0	1200		80			

Fuse: Rated 1200A, Listed Class L. All others, Listed K5. Both Time-delay fuses Circuit Breaker: -

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Short Circuit Ratings for Group Installations

Short Circuit Ratings at 600V ac

MS116	5kA		50kA	
Current Range	Fuse (A)	MCCB	Fuse (A)	MCCB
0.1 - 0.16	1200			
0.16 - 0.25	1200			
0.25 - 0.4	1200			
0.4 - 0.63	1200			
0.63 - 1	1200			
1.0 - 1.6	1200			
1.6 - 2.5	1200			
2.5 - 4.0	1200			
4.0 - 6.3	1200			
6.3 - 10.0	1200			
10.0 - 16.0	1200			

Fuse: Rated 1200A, Listed Class L. All others, Listed K5. Both Time-delay fuses Circuit Breakers: -.

**APPLICABLE REQUIREMENTS**

- CAN/CSA-C22.2 No. 0-M91 - General Requirements - Canadian Electrical Code, Part II
- CAN/CSA-C22.2 No. 14-95 - Industrial Control Equipment

## *Supplement to Certificate of Compliance*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1112525	November 21, 2000	CSA - Certification of - Motor Starters, Types MS116 - Feeder Busbar system Type PS1 - Auxiliary contact unit Type HKF1-11 - Print Adapters Types PA1, PA1-HKF1 - Auxiliary contact units Types HK1, SK1 - Busbar system Type PS9