

Certificate of Compliance

Certificate: 1112525

Master Contract: 165767

Project: 1404329

Date Issued: September 16, 2003

Issued to: **ABB STOTZ-KONTAKT GmbH**
Eppelheimer Strasse 82
D-69123 HEIDELBERG
GERMANY

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



Authorized by: G. Foulem

PRODUCTS

3211 05 - INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers-Manual

Across the-Line Manual Motor Starters, Types MS116, 600 Vac 3-phase, open type, with adjustable thermal overload setting, with non-adjustable magnetic tripping, rated as indicated below:

- Feeder Busbar System, Type PS1, 600 Vac 3-phase 63 A max
- Auxiliary Contact Unit, Type HKF1-11, one NO, one NC contact, code rated C300 Q300
- Print Adaptors, Types PA1 and PA1-HKF1
- Busbar System, Type PS9, 600 Vac 3-phase 63 A
- Auxiliary Contact Unit, Type HK1, 2 NO/NC contacts, code rated B600 Q300
- Indicating Contact Unit, Type SK1, 2 NO/NC contacts, code rated B600 Q300
- Undervoltage Release, Types UA1-..., and UA1-HK-..., 24 Vac up to 415 Vac
- Shunt Release, Types AA1-..., 24 Vac up to 415 Vac
- Auxiliary Contact Unit, Type HK1-20L, 2 NO contacts, code rated B600 Q300

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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 CSA International.
2. The auxiliary contact unit Types HKF1-11, HK1, HK1-20L and SK1, shunt releases Types AA1-..., undervoltage releases Type UA1-..., and UA1-HK..., and the print adapters Types PA1 and PA1-HKF1 are for use with Certified motor starter Type MS116 only.

AC Horsepower Rating for MS116

Phase	Current Range	Voltage			
		110 V - 120 V	220 V - 240 V	440 V - 480 V	550 V - 600 V
3 ph 1 ph	0.1 - 0.16	- -	- -	- -	- -
3 ph 1 ph	0.16 - 0.25	- -	- -	- -	- -
3 ph 1 ph	0.25 - 0.4	- -	- -	- -	- -
3 ph 1 ph	0.4 - 0.63	- -	- -	- -	- -
3 ph 1 ph	0.63 - 1.0	- -	- -	1/2 -	1/2 -
3 ph 1 ph	1.0 - 1.6	- -	- 1/10	3/4 -	3/4 -
3 ph 1 ph	1.6 - 2.5	- -	1/2 1/6	1 -	1-1/2 -
3 ph 1 ph	2.5 - 4.0	- 1/8	1 1/3	2 -	3 -
3 ph 1 ph	4.0 - 6.3	- 1/4	1-1/2 1/2	3 -	5 -
3 ph 1 ph	6.3 - 10.0	- 1/2	3 1-1/2	5 -	7-1/2 -
3 ph 1 ph	8.0-12.0	- 3/4	3 2	7 1/2 -	10 -
3 ph 1 ph	10.0 - 16.0	- 1	5 2	10 -	10 -

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Short Circuit Ratings for Group Installations / High Fault

Short Circuit Ratings at 480V ac

MS116	5 kA		18 kA		30 kA		
	Current Range	Fuse (A)	MCCB	Fuse (A)	MCCB	Fuse (A)	MCCB
	0.1 - 0.16	200	225	200	225	200	225
	0.16 - 0.25	200	225	200	225	200	225
	0.25 - 0.4	200	225	200	225	200	225
	0.4 - 0.63	200	225	200	225	200	225
	0.63 - 1.0	200	225	200	225	200	225
	1.0 - 1.6	200	225	200	225	200	225
	1.6 - 2.5	200	225	200	225	200	225
	2.5 - 4.0	200	225	200	225	-	-
	4.0 - 6.3	200	225	200	225	-	-
	6.3 - 10.0	200	225	200	225	-	-
	8.0-12	200	225	200	-	-	-
	10.0 - 16.0	200	225	80	-	-	-

Fuse: Certified types K5.

Circuit Breaker: - Any Certified Type with above ratings.

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Project: 1404329

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Short Circuit Ratings for Group Installations

Short Circuit Ratings at 600 Vac

MS116	5 kA		50 kA	
	Fuse (A)	MCCB	Fuse (A)	MCCB
0.1 - 0.16	200			
0.16 - 0.25	200			
0.25 - 0.4	200			
0.4 - 0.63	200			
0.63 - 1.0	200			
1.0 - 1.6	200			
1.6 - 2.5	200			
2.5 - 4.0	200			
4.0 - 6.3	200			
6.3 - 10.0	200			
8.0-12.0	200			
10.0 - 16.0	200			

Fuse: Certified K5 types.

Circuit Breaker: -

APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 0-M91

- General Requirements

CSA Std. C22.2 No. 14-95

- Industrial Control Equipment



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1404329	September 16, 2003	CSA - Update to Report to include Auxiliary Contact Unit, Type HK1-20L and add short-circuit ratings for 480V.
1319845	August 27, 2002	CSA - Update to Report to include undervoltage releases, shunt release and motor starter rated 8-12 A.
1112525	November 21, 2000	CSA - Original Certification on Manual Motor Starter Types MS116; Feeder Busbar System Type PS1; Auxiliary Contact Unit Type HKF1-11; Print Adaptors Types PA1, PA1-HKF1; Auxiliary Contact Units Types HKF1, SK1; Busbar System Type PS9