

Certificate of Compliance

Certificate: 1083130

Master Contract: 165767

Project: 1404328

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 MS225, 480V ac, 3 phase, MS325 and MS326, 600V ac, 3 phase, open type with adjustable thermal overload setting, with non-adjustable magnetic tripping; Types MO325, 600V ac, 3-phase, open type, with non-adjustable magnetic tripping, rated as indicated below:

- Auxiliary Contact Block, Type HK, 5A, 300V ac
- Auxiliary Contact Unit, Type HKF, code rated B300, Q300
- Trip Alarm Auxiliary Contact Block, Type SK, 5A, 300V ac
- Undervoltage Trip Coil, Type UA, 500V ac max
- Shunt Trip Coil, Type AA, 415V ac max
- Remote Control Unit, Type RC325, coil voltage 24V ac/dc, 48V ac/dc, 60V ac/dc, 110V ac/dc, 230V ac/dc, auxiliary contacts code rated B600, Q300.
- Print-Adapter Type PA
- Feeder Busbar Assembly Type PS3, 600V ac 63V max.
- Field Bus Interface, Type MFI21-FBP, supply 24 Vdc, input circuits 24 Vdc, 3 output circuits each 3 A 30 Vdc, 3 A 250 Vac, code rated B300, R300, total output current 3 A.

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Notes:

1. Types MS225, MS325, MS326 and MO325 may be provided with one or two auxiliary contact blocks, Type HK or trip alarm auxiliary contact block Type SK rated 5A, 300V ac, and/or with an undervoltage trip coil Type UA, 500V ac max, or with a shunt trip coil Type AA, 415V ac max. They may be remote controlled by remote control unit Type RC325 (max switching frequency is 300 operations/hour) and field bus interface, Type MFI21-FBP.
2. The width and thickness of the copper glad tracks on the printed wiring board used with the print-adapter has to be judged on place of installation.
3. The type designation of the auxiliary contact blocks/units are extended by a number indicating the type and the number of contacts.
4. 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.

MAX HORSEPOWER

MS325, MS326, MS225 Cat. No.	MO325 Cat. No.	Horsepower, hp, Breaking-All-Lines				
		Single Phase, 50/60 Hz		Three Phase, 50/60 Hz		
		120 Vac	240 Vac	240 Vac	480 Vac	600 Vac
0.1 - 0.16	0.16	-	-	-	-	-
0.16 - 0.25	0.25	-	-	-	-	-
0.25 - 0.40	0.40	-	-	-	-	-
0.40 - 0.63	0.63	-	-	-	-	-
0.63 - 1.0	1.0	-	-	-	1/2	1/2
1.0 - 1.6	1.6	-	1/10	-	3/4	3/4
1.6 - 2.5	2.5	-	1/6	1/2	1	1-1/2
2.5 - 4.0	4.0	1/8	1/3	1	2	3
4.0 - 6.3	6.3	1/4	1/2	1-1/2	3	5
6.3 - 9	9	1/3	1	2-1/2	5	7-1/2
9 - 12.5	12.5	1/2	2	3	7-1/2	10
12.5 - 16	16	1	2-1/2	5	10	10
16 - 20	20	1-1/2	3	5	10	15
20 - 25	25	2	3	7-1/2	15	20

GENERAL PURPOSE

MS225 - 480 Vac
MS325 - 600 Vac
MS326 - 600 Vac
MO325 - 600 Vac

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MS225, MS325, MS326 Cat. No.	MO325 Cat. No.	Max Current
0.1 - 0.16	0.16	0.16
0.16 - 0.25	0.25	0.25
0.25 - 0.40	0.40	0.40
0.40 - 0.63	0.63	0.63
0.63 - 1.0	1.0	1.0
1.0 - 1.6	1.6	1.6
1.6 - 2.5	2.5	2.5
2.5 - 4.0	4.0	4.0
4.0 - 6.3	6.3	6.3
6.3 - 9.0	9.0	9
9.0 - 12.5	12.5	12.5
12.5 - 16	16	16
16 - 20	20	20
20 - 25	25	25

SHORT CIRCUIT RATINGS

MS225 - 480 Vac
 MS325 - 600 Vac
 MS326 - 600 Vac
 MO325 - 600 Vac

MS225, MS325, MS326 Cat. No.	MO325 Cat. No.	Short Circuit Rating in kA	Max BCP Fuse in A
0.1 - 0.16	0.16	5	15
0.16 - 0.25	0.25	5	15
0.25 - 0.40	0.40	5	15
0.40 - 0.63	0.63	5	15
0.63 - 1.0	1.0	5	15
1.0 - 1.6	1.6	5	15
1.6 - 2.5	2.5	5	15
2.5 - 4.0	4.0	5	15
4.0 - 6.3	6.3	5	25
6.3 - 9.0	9.0	5	35
9.0 - 12.5	12.5	5	50
12.5 - 16	16	5	60
16 - 20	20	5	80
20 - 25	25	5	100

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SHORT CIRCUIT RATINGS FOR GROUP INSTALLATIONS/HIGH FAULT AT 480 VAC

MS325, MS326	MO325	5 kA		30 kA		50 kA		85 kA
Cat. No.	Cat. No.	Fuse (A)	MCCB	Fuse (A)	MCCB	Fuse (A)	MCCB	Fuse (A)
0.1-0.16	0.16	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
0.16-0.25	0.25	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
0.25-0.40	0.40	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
0.40-0.63	0.63	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
0.63-1.0	1.0	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
1.0-1.6	1.6	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
1.6-2.5	2.5	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
2.5-4.0	4.0	1600	S7H120 0	1600	S7H1200	1600	S7H1200	1600
4.0-6.3	6.3	1600	S7H120 0	1600	S7H1200	600	S7H1200	-
6.3-9.0	9.0	1600	S7H120 0	1600	S7H1200	600	S7H1200	-
9.0-12.5	12.5	1600	S7H120 0	1600	S7H1200	400	S4H250	-
12.5-16	16	1600	S7H120 0	1600	S7H1200	400	S4H250	-
16-20	20	1600	S7H120 0	1600	S7H1200	400	S4H250	-
20-25	25	1600	S7H120 0	1600	S7H1200	400	S4H250	-

Fuse: Certified, rated 1600 A, Class L. All others K5.

Circuit Breaker: Certified ABB Types.

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SHORT CIRCUIT RATINGS FOR GROUP INSTALLATION/HIGH FAULT AT 600 VAC

MS325, MS326	MO325	5 kA		30 kA		50 kA	
Cat. No.	Cat. No.	Fuse (A)	MCCB	Fuse (A)	MCCB	Fuse (A)	MCCB
0.1-0.16	0.16	1200	S7H1200	1200	S7H1200	1200	S7H1200
0.16-0.25	0.25	1200	S7H1200	1200	S7H1200	1200	S7H1200
0.25-0.40	0.40	1200	S7H1200	1200	S7H1200	1200	S7H1200
0.40-0.63	0.63	1200	S7H1200	1200	S7H1200	1200	S7H1200
0.63-1.0	1.0	1200	S7H1200	1200	S7H1200	1200	S7H1200
1.0-1.6	1.6	1200	S7H1200	1200	S7H1200	1200	S7H1200
1.6-2.5	2.5	1200	S7H1200	1200	S7H1200	1200	S7H1200
2.5-4.0	4.0	1200	S7H1200	1200	S7H1200	1200	S7H1200
4.0-6.3	6.3	1200	S7H1200	1200	S7H1200	1200	S7H1200
6.3-9.0	9.0	1200	S7H1200	1200	S7H1200	250	S4H250
9.0-12.5	12.5	1200	S7H1200	1200	S7H1200	-	-
12.5-16	16	1200	S7H1200	1200	S7H1200	-	-
16-20	20	1200	S7H1200	250	S4H250	-	-
20-25	25	1200	S7H1200	250	S4H250	-	-

Fuse: Certified, rated 1200 A, Class L. All others K5.
Circuit Breaker: Certified ABB Types.

SHORT CIRCUIT RATINGS FOR GROUP INSTALLATION/HIGH FAULT AT 480 VAC

MS225	5 kA		30 kA		50 kA	
Cat. No.	Fuse (A)	MCCB	Fuse (A)	MCCB	Fuse (A)	MCCB
0.1 - 0.16	1600	S7H1200	1600	S7H1200	1600	S7H1200
0.16 - 0.25	1600	S7H1200	1600	S7H1200	1600	S7H1200
0.25 - 0.40	1600	S7H1200	1600	S7H1200	1600	S7H1200
0.40 - 0.63	1600	S7H1200	1600	S7H1200	1600	S7H1200
0.63 - 1.0	1600	S7H1200	1600	S7H1200	1600	S7H1200
1.0 - 1.6	1600	S7H1200	1600	S7H1200	1600	S7H1200
1.6 - 2.5	1600	S7H1200	1600	S7H1200	1600	S7H1200
2.5 - 4.0	1600	S7H1200	1600	S7H1200	-	-
4.0 - 6.3	1600	S7H1200	1600	S7H1200	-	-
6.3 - 9.0	1600	S7H1200	1600	S7H1200	-	-
9.0 - 12.5	1600	S7H1200	1600	S7H1200	-	-
12.5 - 16	1600	S7H1200	1600	S7H1200	-	-
16 - 20	1600	S7H1200	-	-	-	-
20 - 25	1600	S7H1200	-	-	-	-

Fuse: Certified, rated 1600 A, Class L. All others K5.
Circuit Breaker: Certified ABB Types.

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APPLICABLE REQUIREMENTS

- CSA Standard C22.2 No. 0-M91 - General Requirements
- CSA Standard C22.2 No. 14 95 - Industrial Control Equipment