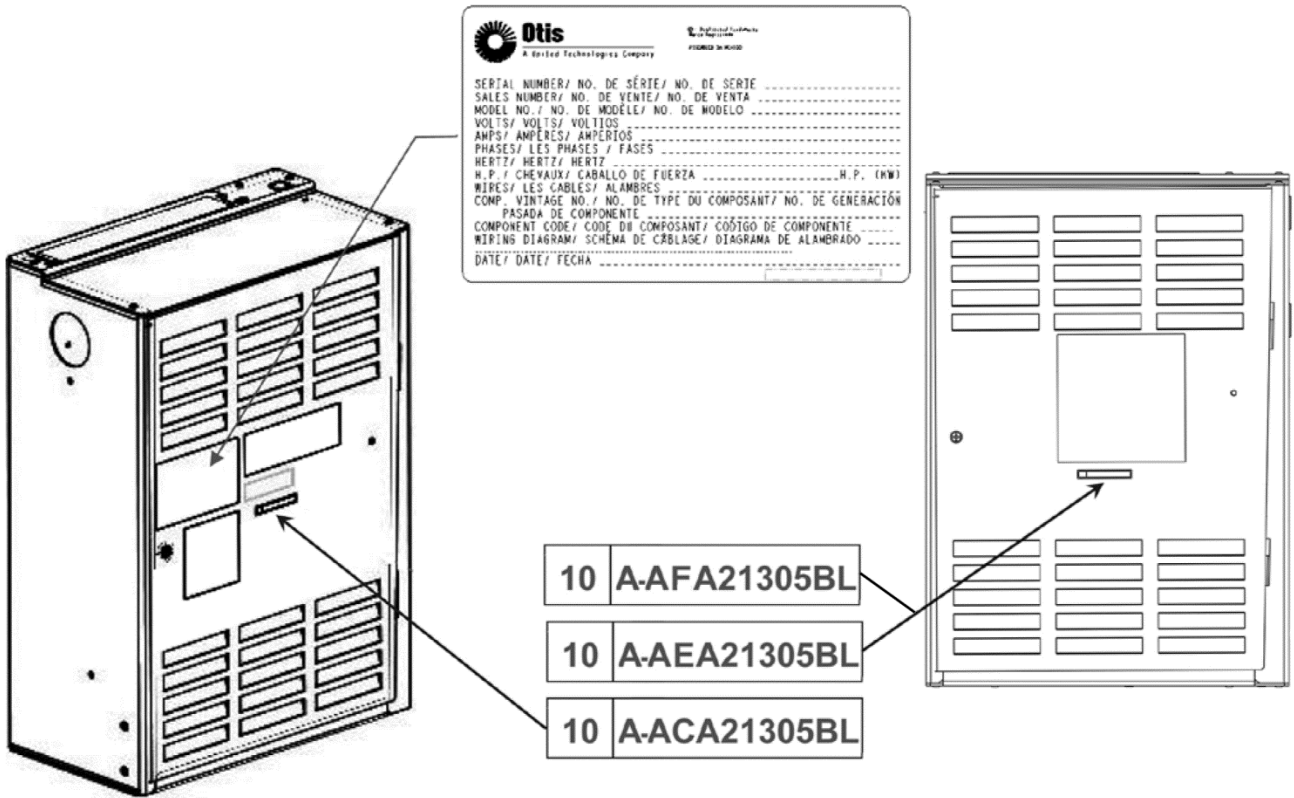


NSAA Global Control System Brake Module

Spare Parts Leaflet 10-ABA21305BL

March 15, 2023 / Page 1 of 6



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This document does not contain any technical data subject to EAR or ITAR

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

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Leaflet Description

BCPC (Brake Control Power Conditioning) Module used in NSAA GCS controller assembly (AAA21310AD).

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision
August 13, 2008	Paul Hoppie	New SPL
January 27, 2010	Joe Della Porta	Updated vintage info; added AAA375CJ4 and ABA225MA1 on page 5.
August 3, 2011	Joe Della Porta	Added vintage tag to assembly and 120A CR drive
March 25, 2015	Joe Lyons	Added AEA vintage.
July 20, 2016	Cuauhtemoc Castro Inzunza	Updated information
January 10, 2018	Ali Bozorgzadeh	Added CL 2017-25 to the Related Documents table
February 3, 2021	Jim Harte	Updated pages 4 and 5
March 15, 2023	Prashanth Thyarala	Added p/ns AAA225PK310 to 313 on p. 5

Related Drawings

Drawing No.	Title	Drawing No.	Title
ABA21305BL	Miscellaneous Equipment NSAA GCS Brake Module	ACA21305BL	Miscellaneous Equipment NSAA GCS Brake Module
AFA21305BL	Global Control System Brake Module		

Related Documents

Document ID	Title
SPL 10-AAA21310AD	Gearless Variable Frequency Controller NSAA Global Control System
SPL 10-AAA21305BN	Global Control System: Controller Box
SPL 10-AAA21305BR	Global Control System: Transformer Box
SPL 10-AAA21305DD	Global Control System: 120A CR Regenerative Drive Assembly
CL 2017-25	208 VAC GCS Controllers w/ no TRL Transformer (MR Controller) & New Brake Circuitry on all MR Controllers

Subject Matter Expert

Name	Department
Ali Bozorgzadeh	OSC Service Engineering

About Spare Parts Leaflets...

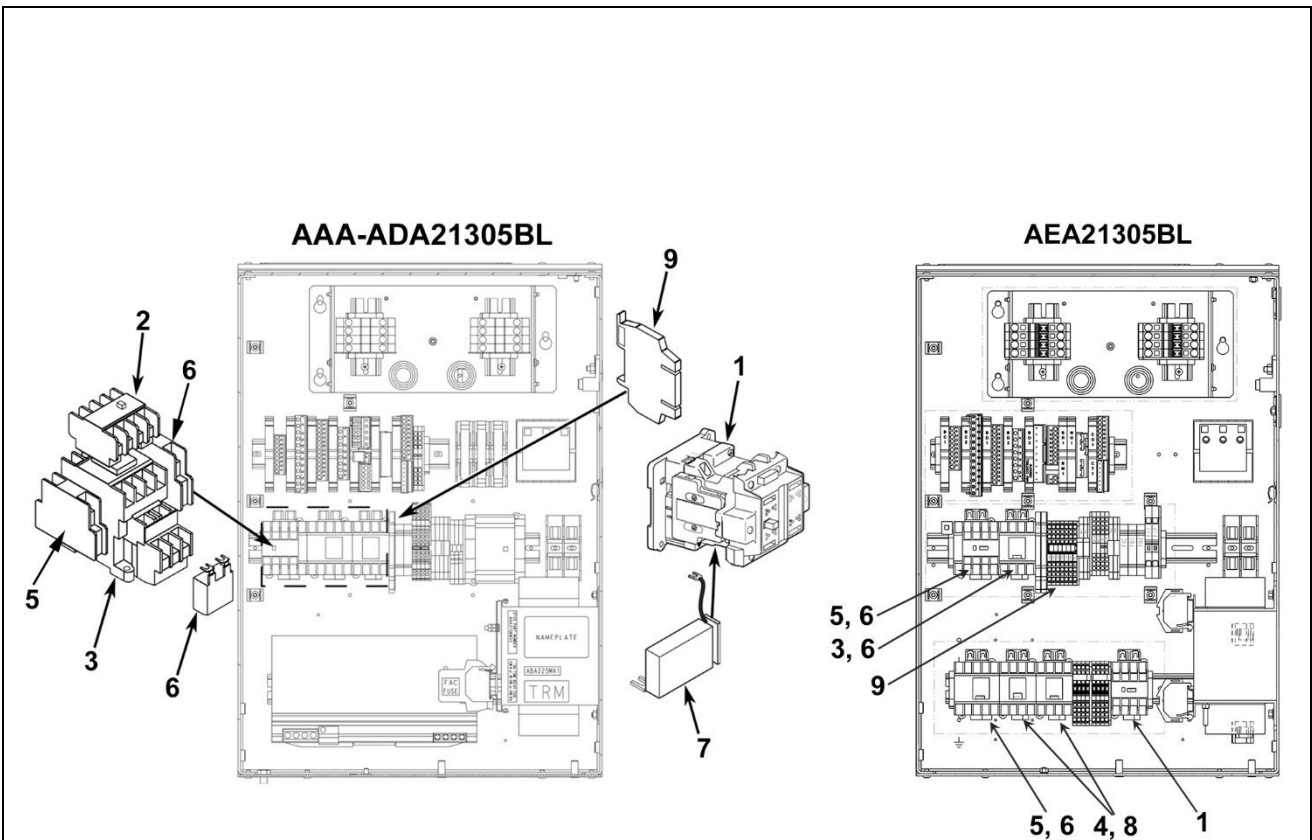
This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

While goal of this document is to make parts identification as easy as possible, the document cannot be all-inclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field Education Articles, Construction Letters, etc. for further information.

If you have any suggestions about this document, please contact the subject matter expert listed on this page.

Relays & Related Parts

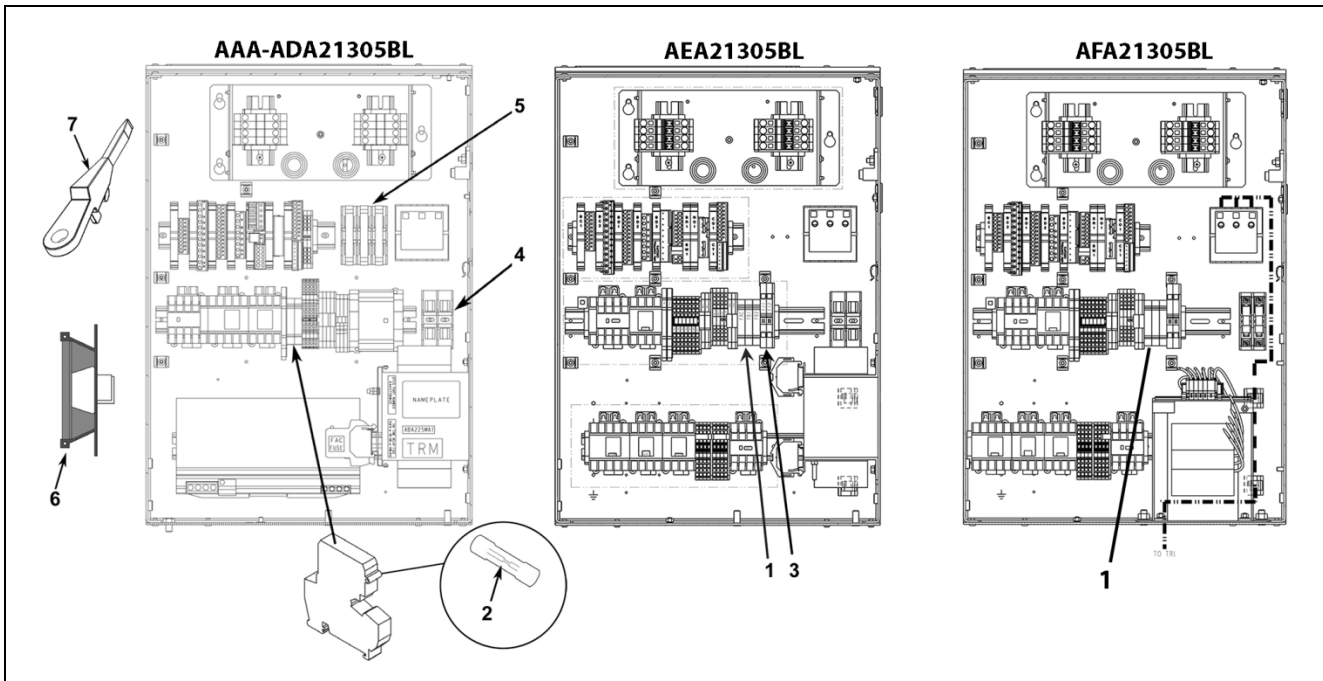
10-ABA21305BL



	AAA21305BL ADA21305BL	AEA21305BL AFA21305BL		
REF. No.	PART No.	PART No.	DESCRIPTION	SYMBOL
1	AAA638J2	AAA613DL31	Contacteur	BP
2	AAA613DL72		Contact Block, Auxiliary	UD
3	AAA613DL31		Relay	C
4	---	AAA613DL31	Relay	OSR, ACP1
5	AAA638AF15		Relay, Contacteur	UCM, UD
6	AAA613DL61		Suppressor	C, UD, UCM
7	AAA00605AAA002	---	Suppressor, Transient	BP
8	---	AAA613DL61	Suppressor	OSC, ACP1
9	AAA303EP199		Terminal Block, with Relay	Y, Z

10-ABA21305BL

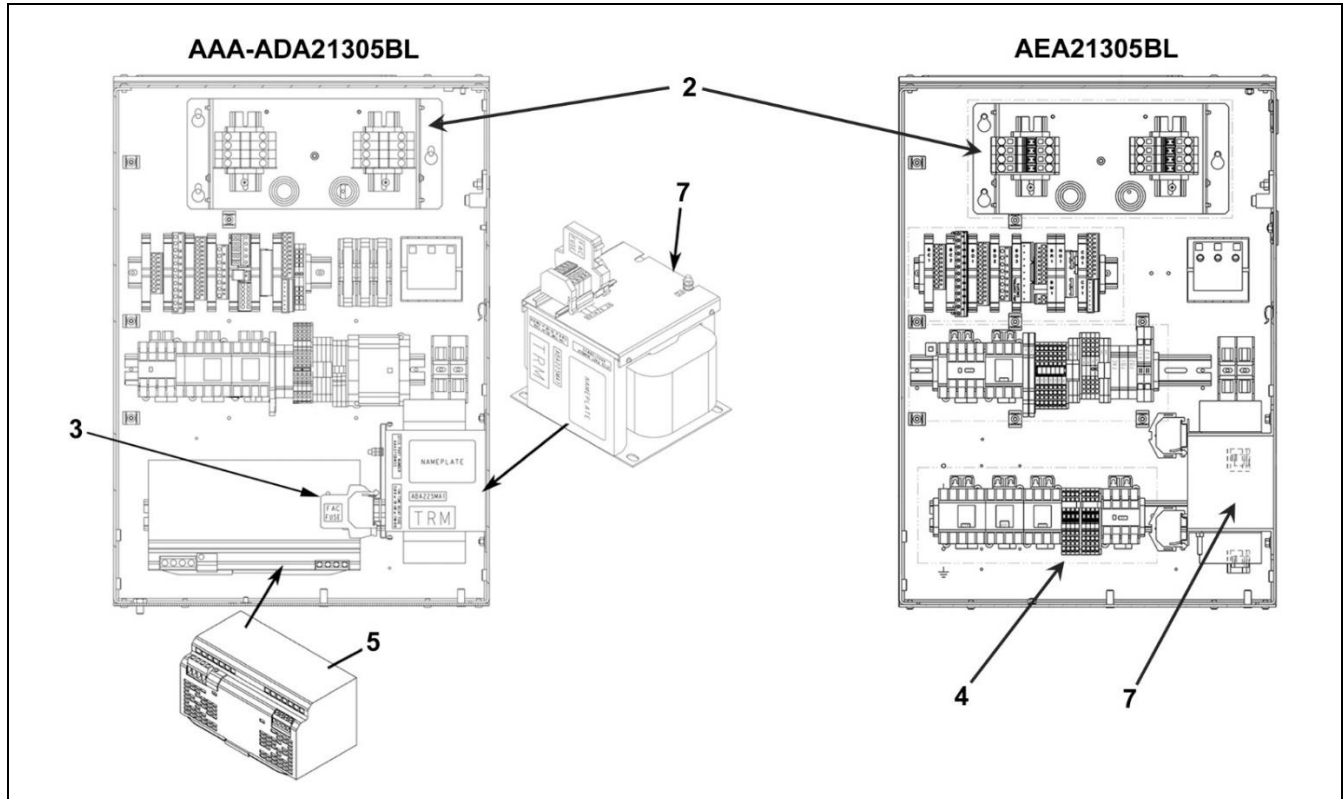
Fuses and Tools



REF. No.	AAA21305BL ADA21305BL	AEA21305BL	AFA21305BL Fuse/Transformer	DESCRIPTION	SYMBOL	
	PART No.	PART No.				
1	---	AAA375CJ4	---	Fuse, 10 A	FAC	
	---	---	AAA375CJ3	Fuse, 5 A		
2	AAA375CJ4	---	---	Fuse, 10 A	FB1, FB2	
	---	AAA375CJ3	---	Fuse, 5 A		
3	---	---	AAA375CJ9	Fuse, 4 A	F11, F12	
	---	AAA375C9		Fuse, 5 A, ATC-Type		
4	AAA375BK39		AAA375BK39 w/ AAA225MV2	Fuse, Time Delay, 10 A, 208 VAC Input	FM (1-Phase)	
	---		AAA375BK43 w/ AAA225MV6	Fuse, Time Delay, 20 A, 208 VAC Input		
	---	AAA375BK31	AAA375BK31 w/ AAA225MV1	Fuse, Time Delay, 5 A, 480 VAC Input		
	---	---	AAA375BK37 w/ AAA225MV5	Fuse, Time Delay, 8 A, 480 VAC Input		
5	AAA375BK31	---		Fuse, Time Delay, 5 A	FP, FM (3-Phase)	
6	AAA180FK2 AAA653D8				Puller, Safety	FM, FP
*	AAA303EP77				Tool, Terminal Block Operating (taped to door)	---
7	AAA27BZ2				Tool, Terminal Block, 50 mm L, Black, for 2.5 & 3.5 mm (taped to door)	---
	AAA27BZ1				Tool, Terminal Block, 50 mm L, White, for 5 mm (taped to door)	---

Power Supplies, Transformer

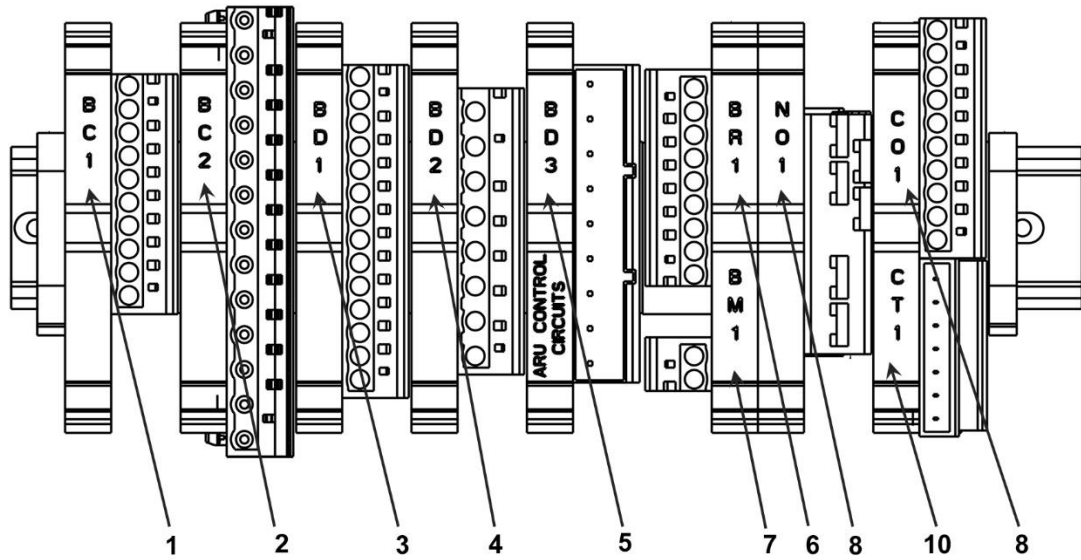
10-ABA21305BL



	AAA21305BL ADA21305BL	AEA21305BL	AFA21305BL		
REF. No.	PART No.	PART No.		DESCRIPTION	SYMBOL
1		AAA612AM13		Diode	B1, BE1, B2
2		AAA21305BM1		Filter	FMV
3	AAA375BK39 AAA375CJ4	---	---	Fuse, Time Delay, 10 A (under cover)	FAC1
4	---	AAA612AM13		Rectifier, Diode	BR1, BR2
5	AAA621AT15	---	---	Supply, Power, 48 VDC @ 20 A	BPWR
6		AAA605AA28		Suppressor	SA1, SA2
7	AAA225MA4 ABA225MA1	AAA225MV1	AAA225MV1 AAA225MV5	Transformer, 480 VAC Input, NOTE 1	TRM
	---	AAA225MV2	AAA225MV2 AAA225MV6	Transformer, 208 VAC Input, NOTE 1	
	---	AAA225PK312	AAA225PK312 AAA225PK310	Transformer, 480 VAC Input, NOTE 2	
	---	AAA225PK313	AAA225PK313 AAA225PK311	Transformer, 208 VAC Input, NOTE 2	

NOTE 1: Use AAA225MV1/MV2 for applications not requiring touchscreen or NGPOK options.
Use AAA225MV5/MV6 when touchscreen or NGPOK option is specified.

NOTE 2: Use AAA225PK312/PK313 for applications not requiring touchscreen or NGPOK options.
Use AAA225PK310/PK311 when touchscreen or NGPOK option is specified.



REF. No.	AAA21305BL ADA21305BL	AEA21305BL AFA21305BL	DESCRIPTION	POLES	M/F	SYMBOL
	PART No.	PART No.				
1	AAA176HH98	---	5 mm, w/Mounting Feet	9	Female	BC1
	---	AAA176HH312	5 mm, w/Mounting Feet	10	Female	
	AAA176HH306	---	5 mm	9	Male	
	---	AAA176HH307	5 mm	10	Male	
2	AAA176HH301	---	7.5 mm, w/Mounting Feet	12	Female	BC2
	---	AAA176HH388	7.5 mm, w/Mounting Feet	13	Female	
	AAA176HH303	---	7.5 mm	12	Male	
	---	AAA176HH389	7.5 mm	13	Male	
3	AAA176HH327		5 mm, w/Mounting Feet	14	Female	BD1
	AAA447AP379		5 mm (Ref: Dwg A__21602N)	14	Male	
4	AAA176HH300		7.5 mm, w/Mounting Feet	8	Female	BD2
	AAA176HH302		7.5 mm (Ref: Dwg A__21602N)	8	Male	
5	AAA176HH364		w/Mounting Feet	9	Male	BD3
	AAA176HH363		7.5 mm, Double Row (Ref: Dwg A__21602N)	9	Female	
6	AAA176HH317		5 mm, w/Mounting Feet	9	Female	BR1
	AAA176HH95		5 mm (Ref: Dwg A__21600DS)	9	Male	
7	AAA176HH97		5 mm, w/Mounting Feet	2	Female	BM1
	AAA176HH55		5 mm, (Ref: Dwg A__21600DR)	2	Male	
8	AAA176HH60		5 mm, w/Mounting Feet	10	Female	CO1, NO1
9	AAA176HH62		Plug	10	Male	MSP
10	AAA176HH33		w/Mounting Feet, 5 mm Spacing	7	Male	CT1