



# **LCM Life Cycle Management Contactors**

Cross reference list A(L,E), N(E,L), EH, EK to 2nd Generation AF



# A range phasing out

### Contactors affected by the LCM Life Cycle Management in 2022

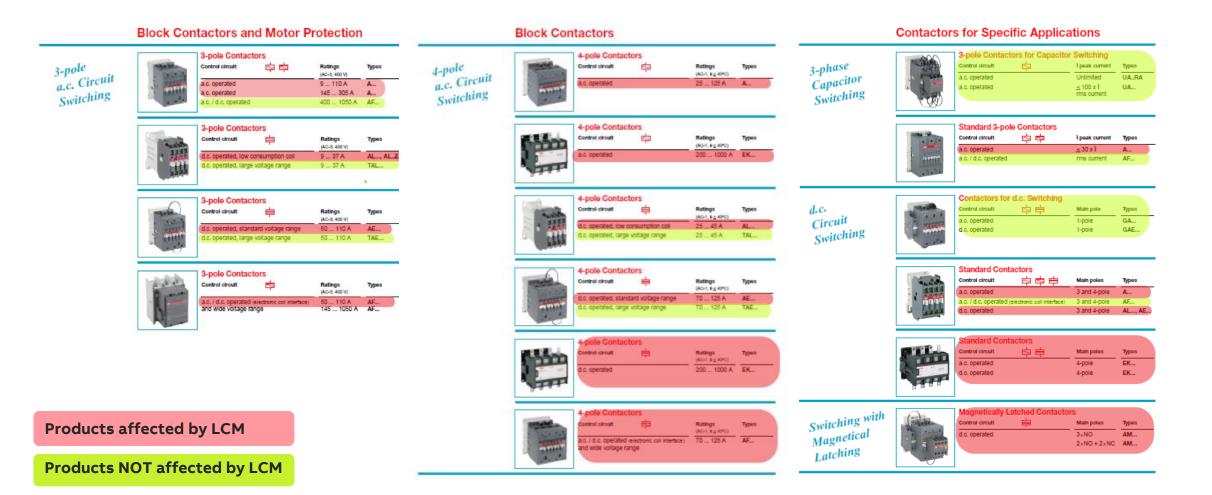
- A9(L)... A40(L) ... A75 contactors and N(L) contactor relays will change to LIMITED phase in July 2022, last buy date: 30.09.2022.
- A95 ... A300 contactors including accessories will change to LIMITED phase in July 2022, last buy date: 30.09.2022.
- AF95... AF300 contactors entered **OBSOLETE phase in January 2022** (Including B and B...RT versions, except AF95B(RT))
- A95FP ... A110 FP for fire pump applications, entered OBSOLETE phase in January 2022
- EK110 ... EK370 will change to OBSOLETE phase in January 2022
- EH550 ... EH1200 will change to OBSOLETE phase in January 2022
- EHDB selected coils will change to LIMITED phase in January 2022
- E45DU, E80DU and E140DU Electronic Overload Relays (incl relevant accessories) will change from LIMITED to OBSOLETE phase from January 2024, last buy date: 30.09.2022
- TA25DU, TA42DU, TA75DU, TA80DU and TA110DU Thermal Overload Relays will change from LIMITED to OBSOLETE phase from January 2024, **last buy date: 30.09.2022**
- TA25DU-TC20, TA42DU-TC20, TA75DU-TC20 and TA80DU-TC20 Thermal Overload Relays with Trip Class 20 will change to LIMITED to OBSOLETE phase from January 2024, last buy date: 30.09.2022

### Contactors NOT affected by the LCM Life Cycle Management in 2022

- GA75, GAE75 contactors will change to CLASSIC phase in January 2023
- GAF185 ... GAF300 will change to CLASSIC phase in January 2023
- TAL & TAE for traction
- AFZB/NFZB (Railway application)
- UA & UA...RA (Capacitor switching)



# Contactors range concerned by LCM Life Cycle Management

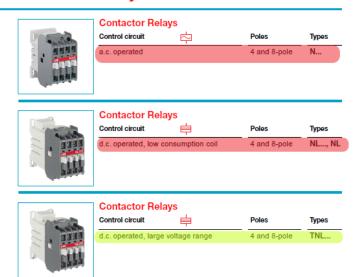


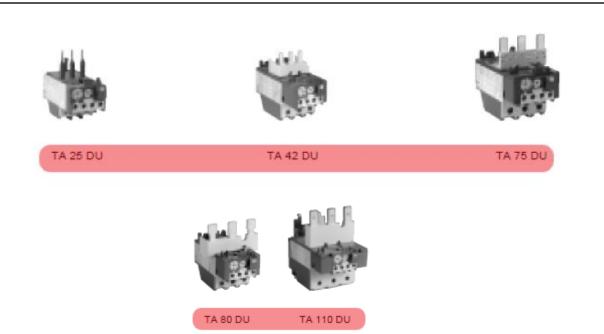


# Auxiliary contactors and thermal overload relays concerned by LCM

### **Contactor Relays**

Control
Circuit
Switching





**Products affected by LCM** 

**Products NOT affected by LCM** 



Conversion tables contactors < 100 A – AC control

### Standard A

### A-series, Limited phase

AF have the electronic module, removing normal issues from A. AF slightly slower than A.

A9	AF(C)09
A16	AF(C)16
A26	AF(C)26
A30	AF(C)30
A40	AF(C)38
A50	AF(C)52
A63	AF(C)65
A75	AF(C)80
A95	AF(C)95

### Standard N

### N-series, Limited phase

NF have the electronic module, removing normal issues from N. AF slightly slower than N.

NL22E	NF(C)22E
NL31E	NF(C)31E
NL40E	NF(C)40E
NL44E	NF(C)44E
NL51E	NF(C)51E
NL62E	NF(C)62E
NL71E	NF(C)71E
NL80E	NF(C)80E
NL33/11	NF(C)53/11
NL51/11	NF(C)51/11



Conversion tables contactors < 100 A – DC control

### **AL - 3/4 poles and NL - 24 V DC**

Al coil 81-series, Limited phase

Replaced by AFZ / NFZ **coil 30** (low pull-in power)

AL9	AF09(Z)	NL22E	NF(Z)22E
AL12	AF12(Z)	NL31E	NF(Z)31E
AL16	AF16(Z)	NL40E	NF(Z)40E
AL26	AF26(Z)	NL44E	NF(Z)44E
AL30	AF30(Z)	NL51E	NF(Z)51E
AE45	AF38(Z)	NL62E	NF(Z)62E
AE50	AF52	NL71E	NF(Z)71E
AE63	AF65	NL80E	NF(Z)80E
<b>AE75</b>	AF80	NL33/11	NF(Z)53/11
		NL51/11	NF(Z)51/11

### AE – 3 poles and NE – 24 V DC

AE-series, Limited Phase NE-series, Obsolete Phase

Replaced by either AFZ **coil 30 or 21,** or AF coil **11** 

AF09	NE22E	NF(Z)22E
AF12	NE31E	NF(Z)31E
AF16	NE40E	NF(Z)40E
AF26	NE44E	NF(Z)44E
AF30	NE51E	NF(Z)51E
AF38	NE62E	NF(Z)62E
AF52	NE71E	NF(Z)71E
AF65	NE80E	NF(Z)80E
AF80	NE33/11	NF(Z)53/11
	NE51/11	NF(Z)51/11
	AF12 AF16 AF26 AF30 AF38 AF52 AF65	AF12 NE31E AF16 NE40E AF26 NE44E AF30 NE51E AF38 NE62E AF52 NE71E AF65 NE80E AF80 NE33/11

### **ALZ low consumption – 24 V DC**

ALZ coil 15 - Limited phase

Replaced by AFZ **coil 30** (low pull-in power)

AL9Z	AF09Z
AL12Z	AF12Z
AL16Z	AF16Z

### AL – 3/4 poles and NL – Not 24 V DC

All other coils than 24VDC, Limited phase

Will be replaced by AFZ / NFZ

Coil voltages	and codes: AL	and AE
Voltage - U <sub>c</sub> V d.c.	لبيا	Code □□
	12	8 0
	42	8 2
	48	8 3
	50	2 1
	60	8 4
	75	8 5
	110	8 6
	125	8 7
	220	8 8
	240	8 9
	250	3 8

### AE – 3 poles and NE – Not 24 V DC

AE-series, limited Phase NE-series, Obsolete Phase

Replaced by either AFZ or AF

Coil voltages and codes: AL and AE		
Voltage - L V d.c.	J <sub>e</sub>	Code □□
	12	8 0
	24	8 1
	42	8 2
	48	8 3
	50	2 1
	60	8 4
	75	8 5
	110	8 6
	125	8 7
	220	8 8
	240	8 9
	250	3 8

### **Special versions, TAL-TAE**

TAL-TAE are variants mostly dedicated to traction applications.

TAL-TAE **for other applications than traction,** to be replaced by AF version.



Conversion tables > 100A

### Standard A

A-series, Classic phase

AF have the electronic module, removing normal issues from A. AF slightly slower than A.

A95	AF96
A110	AF116
A145	AF146
A185	AF190
A210	AF205
A260	AF265
A300	AF305
A320	AF370
A300	AF305

### Traction version (B) of A

A...B-series, Classic phase

See AF for comparison.

AF95B	TBD
AF110B	AF116B
AF145B	AF146B
AF185B	AF190B
AF210B	AF205B
AF260B	AF265B
AF300B	AF305B

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### **Old AF**

Old AF, Classic phase

First generation AF, difference is footprint where the new are smaller by size.

AF95	AF96	)
AF110	AF116	5
AF145	AF146	6
AF185	AF190	)
AF210	AF205	5
AF260	AF265	5
AF300	AF305	5

### Special versions, A...W & (T)AE

A...W – Welding variants that today can be replaced with AF version.

(T)AE, energy efficient
coils (dual winded).

A110W	AF116
A185W	AF190
A300W	AF305
AE110	AF116
AE95	AF96
TAE110	AF96 AF116

### UA(F)

Capacity switching devices.

Without "RA", UA can be replaced by AF in most cases. "RA" have a better peak resistance.

	UA95	-
	UA110	AF116/AF140
	UA115	AF116/AF140
	UAF95	-
	UAF110	AF116/AF140
	UA95RA	-
	UAF95RA	-
	UA110RA	-
		-



### Conversion tables

### EK

Small EK sizes are convertible with AF 4pole, AF have slightly worse ratings.

For EK550/EK1000 there is no replacements

		ı
EK110		AF116-40
EK150		AF140-40
EK175		AF190-40
EK210		AF205-40
EK370	K150 AF140-40 K175 AF190-40 K210 AF205-40 K370 AF370-40	
EK550		-
EK1000		-

### **EHDB**

EHDB, special variant with 2NO/1NC main pole.

Today there is no replacement product

EHDB220	-
EHDB280	-
EHDB360	-
EHDB520	-
EHDB650	-
EHDB800	-
EHDB960	-

### EΗ

EH range is directly replaceable with AF.

EH175	AF190
EH210	AF205
EH550	AF580
EH700	AF750
EH800	AF1250
EH1200	AF1250

### **Recommending replacements**

Tables above can help with the first look towards replacement.
However, some of the ratings will differ and that might effect the size. The requirements needs to be checked against the catalog.

### Adapter plates

To help conversion a number of adapter plates have been created.

From contactors	To contactor	Туре	Order code	Pkg qty	Weight (1 pce)
				419	kg
A95, AF95, A110, AF110	AF116, AF140, AF146	PR146-1	1SFN094200R1000	1	0.300
EH150, EH160, EH175, EH210, EG160	AF190, AF205	PR210-1	1SFN094900R1000	1	0.440
EH250, EH260, EH300	AF265, AF305, AF370	PR300-1	1SFN095300R1000	1	0.560
EH370, EH550, EG315	AF400, AF460, AF580	PR460-1	1SFN095700R1000	1	0.900
EH700, EH800	AF750	PR750-1	1SFN096100R1000	1	0.500
OKYM150, OKYM175	AF190	PR185-2	1SFN095100R1001	1	0.500
OKYM200, OKYM250	AF265, AF305, AF370	PR300-2	1SFN095300R1001	1	0.500
OKYM315	AF400, AF460	PR400-2	1SFN095700R1002	1	0.820
OKYM400	AF400, AF460	PR460-2	1SFN095700R1001	1	0.800
OKYM500	AF580	PR580-2	1SFN096100R1002	1	0.700
EH550, EG630, OKYM630	AF580, AF750	PR750-2	1SFN096100R1001	1	1.100



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