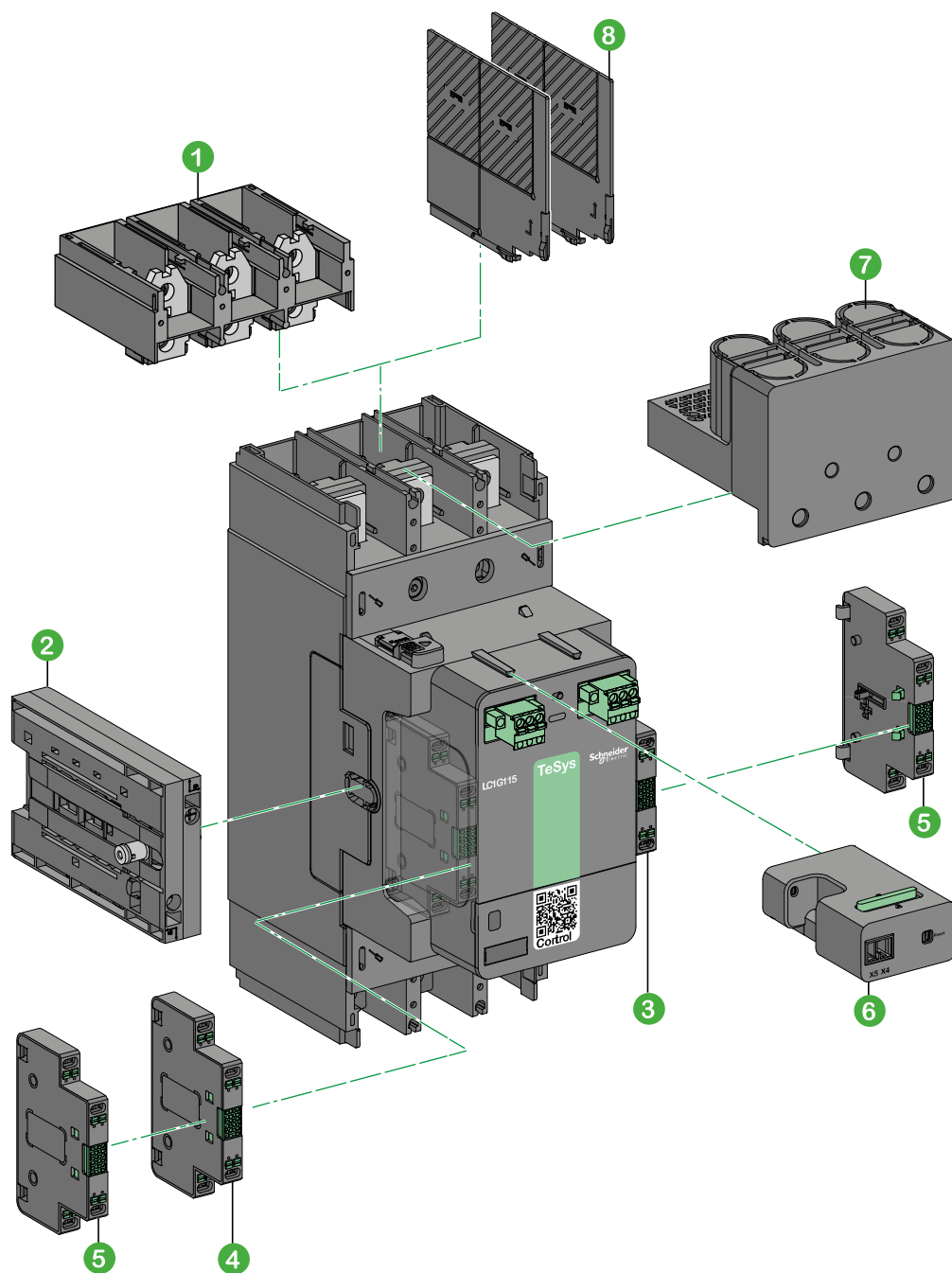




- ① Cable memory kit **LA9G3102**, is always supplied along with Advanced version, and it's an optional accessory for Standard version.
- ② Mechanical interlock **LA9G970**, can be installed on either side of the contactor.
- ③ Auxiliary contact module **LAG8N113P** (1 NO + 1 NC) supplied with LC1G contactor.
- ④ Auxiliary contact modules **LAG8N113P / LAG8N203P**, can be installed on the contactor lateral faces ⁽¹⁾
- ⑤ Auxiliary contact modules **LAG8N113 / LAG8N203**, can be installed on either side as 2nd set of contacts.
- ⑥ Remote Wear Diagnostic (RWD) Module **LA9GRD01 / LA9GRD10**, can be installed and used only in Advanced version.
- ⑦ IP 20 terminal shroud **LA9G3701**.
- ⑧ Phase separators **LA9G3801**, please refer to pages B9/14 to B9/18 for complete details of available accessories.

Note: a maximum of 2 auxiliary contact modules can be mounted on each side of the contactor.
(1) Does not increase the contactor dimensions when fitted on both sides.

TeSys Control

Giga High power contactors – Advanced – 3-pole and 4-pole

Product references

TeSys Giga 3-pole Advanced contactors – For motor control (115 to 800 A)



Motor ratings (kW) $\theta \leq 60^\circ\text{C}$

IEC

AC-3

AC-3e ⁽¹⁾

AC-4

230 V	400 V	415 V	440 V	500 V	690 V	1000 V	230 V	400 V	415 V	440 V	500 V	690 V	1000 V	230 V	400 V	415 V	440 V	500 V	690 V	1000 V
kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
30	55	55	75	75	75	-	30	55	55	75	75	75	-	30	55	55	65	65	75	-
37	75	75	90	90	90	75	37	75	75	90	90	90	75	37	75	75	80	90	90	75
55	90	90	110	110	110	75	55	90	90	110	110	110	75	55	90	90	100	110	110	75
55	110	110	132	132	160	132	55	110	110	132	132	160	132	55	110	110	129	132	132	110
75	132	132	160	160	200	160	75	132	132	160	160	200	160	75	132	132	150	160	160	160
90	160	160	200	200	220	185	90	160	160	185	200	220	185	90	160	160	185	200	220	185
110	200	200	250	250	315	220	110	200	200	250	250	315	220	110	200	200	220	250	315	220
160	250	250	315	355	355	335	147	250	250	280	315	355	335	150	250	250	295	295	355	280
200	335	375	400	400	500	450	180	315	335	355	375	500	450	180	315	335	355	375	450	355
250	450	450	450	500	560	450	200	335	355	375	425	560	450	200	375	355	375	400	475	400



Double Page Table

COORD



TeSys Giga 3-pole and 4-pole Advanced contactors for load control only (non motor) – (250 to 1050 A)



High power contactors

Maximum current (A) ($\theta \leq 40^\circ\text{C}$)	General purpose continuous current (A)	Reference					
IEC	UL	Advanced version contactors					
		AC/DC coil voltage					
		3-pole			4-pole		
AC-1		24...48 V	48...130 V	200...500 V	24...48 V	48...130 V	200...500 V
250	210	LC1G115BEEA	LC1G115EHEA	LC1G115LSEA	LC1G1154BEEA	LC1G1154EHEA	LC1G1154LSEA
275	230	LC1G150BEEA	LC1G150EHEA	LC1G150LSEA	LC1G1504BEEA	LC1G1504EHEA	LC1G1504LSEA
305	250	LC1G185BEEA	LC1G185EHEA	LC1G185LSEA	LC1G1854BEEA	LC1G1854EHEA	LC1G1854LSEA
330	290	LC1G225BEEA	LC1G225EHEA	LC1G225LSEA	LC1G2254BEEA	LC1G2254EHEA	LC1G2254LSEA
385	340	LC1G265BEEA	LC1G265EHEA	LC1G265LSEA	LC1G2654BEEA	LC1G2654EHEA	LC1G2654LSEA
440	390	LC1G330BEEA	LC1G330EHEA	LC1G330LSEA	LC1G3304BEEA	LC1G3304EHEA	LC1G3304LSEA
550	490	LC1G400BEEA	LC1G400EHEA	LC1G400LSEA	LC1G4004BEEA	LC1G4004EHEA	LC1G4004LSEA
700	630	LC1G500BEEA	LC1G500EHEA	LC1G500LSEA	LC1G5004BEEA	LC1G5004EHEA	LC1G5004LSEA
1050	850	-	LC1G630EHEA	LC1G630LSEA	-	LC1G6304EHEA	LC1G6304LSEA
1050	900	-	LC1G800EHEA	LC1G800LSEA	-	LC1G8004EHEA	LC1G8004LSEA

⁽¹⁾ Switching of IE3/IE4 high efficiency squirrel-cage motors.

Coordination tables:
pages A5/7 to A5/42

Characteristics:
pages B9/25 to B9/29

Dimensions:
pages B9/30 to B9/32

Diagrams:
page B9/34

	Motor ratings (HP) UL-3phase				Reference Advanced version contactors AC/DC coil voltage 3-pole		
	200/208 V	230/240 V	460/480 V	575/600 V	24-48 V	48-130 V	200-500 V
	30	40	75	100	LC1G115BEEA	LC1G115EHEA	LC1G115LSEA
	40	50	100	125	LC1G150BEEA	LC1G150EHEA	LC1G150LSEA
	50	60	125	150	LC1G185BEEA	LC1G185EHEA	LC1G185LSEA
	60	75	150	150	LC1G225BEEA	LC1G225EHEA	LC1G225LSEA
	75	100	200	200	LC1G265BEEA	LC1G265EHEA	LC1G265LSEA
	100	125	250	300	LC1G330BEEA	LC1G330EHEA	LC1G330LSEA
	125	150	300	400	LC1G400BEEA	LC1G400EHEA	LC1G400LSEA
	150	200	400	450	LC1G500BEEA	LC1G500EHEA	LC1G500LSEA
	250	300	600	700	-	LC1G630EHEA	LC1G630LSEA
	300	350	700	800	-	LC1G800EHEA	LC1G800LSEA

COORD



High power
contactors

TeSys Control

Giga High power contactors – Standard – 3-pole and 4-pole

Product references

TeSys Giga 3-pole Standard contactors – For motor control – (115 to 800 A)



Motor ratings (kW) $\theta \leq 60^\circ\text{C}$

IEC

AC-3

AC-3e ⁽¹⁾

AC-4

230 V	400 V	415 V	440 V	500 V	690 V	1000 V	230 V	400 V	415 V	440 V	500 V	690 V	1000 V	230 V	400 V	415 V	440 V	500 V	690 V	1000 V
kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
30	55	55	75	75	75	-	30	55	55	75	75	75	-	30	55	55	65	65	75	-
37	75	75	90	90	90	75	37	75	75	90	90	90	75	37	75	75	80	90	90	75
55	90	90	110	110	110	75	55	90	90	110	110	110	75	55	90	90	100	110	110	75
55	110	110	132	132	160	132	55	110	110	132	132	160	132	55	110	110	129	132	132	110
75	132	132	160	160	200	160	75	132	132	160	160	200	160	75	132	132	150	160	160	160
90	160	160	200	200	220	185	90	160	160	185	200	220	185	90	160	160	185	200	220	185
110	200	200	250	250	315	220	110	200	200	250	250	315	220	110	200	200	220	250	315	220
160	250	250	315	355	355	335	147	250	250	280	315	355	335	150	250	250	295	295	355	280
200	335	375	400	400	500	450	180	315	335	355	375	500	450	180	315	335	355	375	450	355
250	450	450	450	500	560	450	200	335	355	375	425	560	450	200	375	355	375	400	475	400

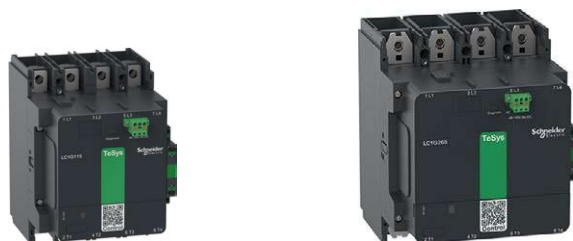


Double Page Table

COORD



TeSys Giga 3-pole and 4-pole Standard contactors for load control only (non motor) – (250 to 1050 A)



High power contactors

Maximum current (A) ($\theta \leq 40^\circ\text{C}$)	General purpose continuous current (A)	Reference Standard version contactors AC/DC coil voltage			
IEC	UL	3-pole		4-pole	
AC-1		48...130 V	100...250 V	48...130 V	100...250 V
250	210	LC1G115EHEN	LC1G115KUEN	LC1G1154EHEN	LC1G1154KUEN
275	230	LC1G150EHEN	LC1G150KUEN	LC1G1504EHEN	LC1G1504KUEN
305	250	LC1G185EHEN	LC1G185KUEN	LC1G1854EHEN	LC1G1854KUEN
330	290	LC1G225EHEN	LC1G225KUEN	LC1G2254EHEN	LC1G2254KUEN
385	340	LC1G265EHEN	LC1G265KUEN	LC1G2654EHEN	LC1G2654KUEN
440	390	LC1G330EHEN	LC1G330KUEN	LC1G3304EHEN	LC1G3304KUEN
550	490	LC1G400EHEN	LC1G400KUEN	LC1G4004EHEN	LC1G4004KUEN
700	630	LC1G500EHEN	LC1G500KUEN	LC1G5004EHEN	LC1G5004KUEN
1050	850	LC1G630EHEN	LC1G630KUEN	LC1G6304EHEN	LC1G6304KUEN
1050	900	LC1G800EHEN	LC1G800KUEN	LC1G8004EHEN	LC1G8004KUEN

(1) Switching of IE3/IE4 high efficiency squirrel-cage motors.

Coordination tables:
pages A5/7 to A5/42

Characteristics:
pages B9/25 to B9/29

Dimensions:
pages B9/30 to B9/32

Diagrams:
page B9/34

	Motor ratings (HP) UL-3phase				Reference Standard version contactors AC/DC coil voltage 3-pole	
	200/208 V	230/240 V	460/480 V	575/600 V	48-130 V	100-250 V
	30	40	75	100	LC1G115EHEN	LC1G115KUEN
	40	50	100	125	LC1G150EHEN	LC1G150KUEN
	50	60	125	150	LC1G185EHEN	LC1G185KUEN
	60	75	150	150	LC1G225EHEN	LC1G225KUEN
	75	100	200	200	LC1G265EHEN	LC1G265KUEN
	100	125	250	300	LC1G330EHEN	LC1G330KUEN
	125	150	300	400	LC1G400EHEN	LC1G400KUEN
	150	200	400	450	LC1G500EHEN	LC1G500KUEN
	250	300	600	700	LC1G630EHEN	LC1G630KUEN
	300	350	700	800	LC1G800EHEN	LC1G800KUEN

COORD

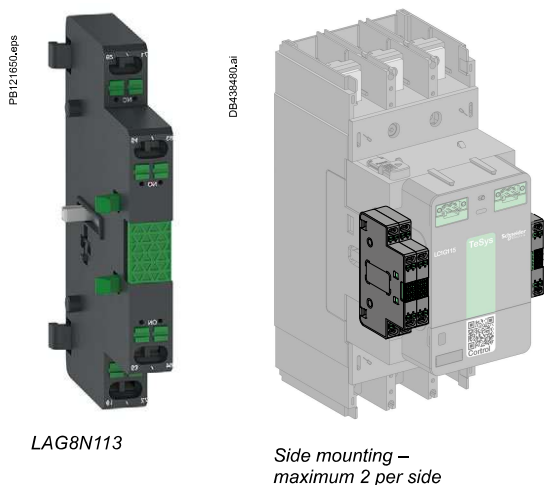


High power
contactors

TeSys Control

Giga High power contactors – Auxiliary contact modules

Product references



Auxiliary contact modules

Auxiliary contacts give an indication of the contactor status. They can be used for remote visual signaling, alarming, electrical locking, relay activation, etc...

Each contactor is equipped with 1 NO + 1 NC auxiliary contact block as standard.

■ Mechanically linked mirror contacts

The NC contact of the auxiliary contact block is mirror contact in conformity to IEC 60947-4-1 and it is mechanically linked to reliably represent the state of the main power contacts and wherever auxiliary contact state reliability is essential. The main power contacts and the NC of the auxiliary contact can't be closed at the same time.

Types of connections:

■ Push-in type.

Wide contactor compatibility

TeSys Giga auxiliary contact module is compatible with the whole range of TeSys Giga High power contactors .

Each TeSys Giga Contactor can be equipped with up to 4 auxiliary contact modules.

Electrical characteristics

Characteristics	
Rated thermal current (A)	10
Minimum load	1 mA at 17 V DC
Contact reliability	Failure rate <10 ⁻⁸

Operational power of contacts conforming to IEC 60947-5-1 - Electrical durability

category AC-15

Operating cycles	V	24	48	115	230	400	500
1 million	VA	60	120	280	560	800	500
2 million	VA	24	48	115	230	400	250
3 million	VA	16	32	80	160	280	150

category DC-13

Operating cycles	V	24	48	125	250	440
0.5 million	W	100	100	105	110	88
1 million	W	48	72	54	54	55
2 million	W	24	36	38	38	39
3 million	W	16	24	25	25	33

Connector characteristics

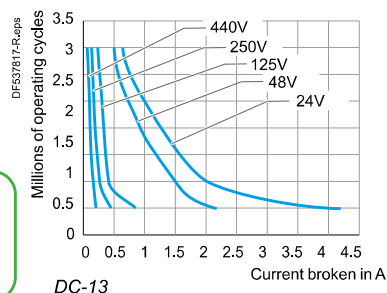
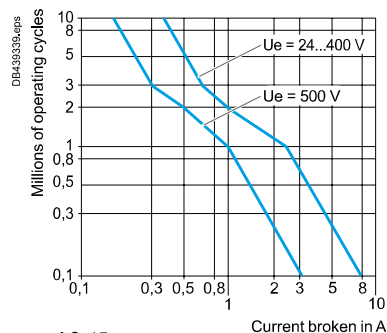
Push-in connection - Dual input			Min/max c.s.a.
Flexible cable per input	1 conductor with cable end	mm ²	0.75...2.5
	2 conductors with Dual Sleeve	mm ²	0.75...2.5
	Stripping length	mm	10
Solid cable per input	1 conductor	mm ²	0.75...2.5
	Stripping length	mm	12

Auxiliary contact modules

Description	Terminal type	Position	Type of contacts	Sold in lots of	Reference
Auxiliary contact module	Push-in	1 st left or right	1 NO + 1 NC	1	LAG8N113P ⁽¹⁾
			2 NO	1	LAG8N203P
		2 nd left or right	1 NO + 1 NC	1	LAG8N113
			2 NO	1	LAG8N203

⁽¹⁾ Always supplied with TeSys Giga LC1G contactors, fitted to the right side lateral face.

COORD



High power contactors

Power terminals

‘Cable Memory’ connection blocks

Cables or busbars can be connected to the contactor by means of the optional cable memory connection blocks. When the contactor is removed for maintenance, the cables or busbars remain connected to these connection blocks, making reinstallation faster and easier.



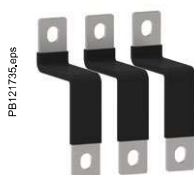
LA9G3101

Cable memory ⁽¹⁾			
Description	Compatible with contactors	Quantity Set of	Reference
'Cable memory' for 3-pole contactors – for holding cables in place	LC1G115...LC1G225	2	LA9G3101
	LC1G265...LC1G500	2	LA9G3102
	LC1G630...LC1G800	2	LA9G3103
'Cable memory' for 4-pole contactors – for holding cables in place	LC1G115...LC1G225	2	LA9G4101
	LC1G265...LC1G500	2	LA9G4102
	LC1G630...LC1G800	2	LA9G4103

(1) 'Cable memory' connection blocks are always supplied with Advanced contactor version.

Flexible terminal extensions

Flexible connecting bars to connect TeSys Giga High power contactors with MCCBs mounted in the same plane and orientation. These bars can be used along with Advanced or Standard version contactors. They help to get a quick and easy connection between contactor and MCCB with saving in installation time.



LA9G3111

'Flexible terminal extensions' for MCCBs				
Description	Compatible with contactors	To connect with NSX/NS MCCBs	Quantity Set of	Reference
Flexible terminal extensions 3-pole	LC1G115...LC1G225	NSX100...NSX250	3	LA9G3111
	LC1G265...LC1G500	NSX400...NSX630	3	LA9G3112
	LC1G630...LC1G800	NS800...NS1250	3	LA9G3113
Flexible terminal extensions 4-pole	LC1G115...LC1G225	NSX100...NSX250	4	LA9G4111
	LC1G265...LC1G500	NSX400...NSX630	4	LA9G4112
	LC1G630...LC1G800	NS800...NS1250	4	LA9G4113

Straight terminal extensions



LA9G3601

Description	Suitable for	Compatible with contactors	Quantity Set of	Reference
Straight terminal extension	3P	LC1G115...LC1G225	3	LA9G3601
		LC1G265...LC1G500	3	LA9G3602
		LC1G630...LC1G800	3	LA9G3603
	4P	LC1G115...LC1G225	4	LA9G4601
		LC1G265...LC1G500	4	LA9G4602
		LC1G630...LC1G800	4	LA9G4603

Right angled terminal extensions



LA9G3682

Description	Suitable for	Compatible with contactors	Quantity Set of	Reference
Right angled side terminal extension	3P	LC1G115...LC1G225	3	LA9G3661
		LC1G265...LC1G500	3	LA9G3662
		LC1G630...LC1G800	3	LA9G3663
Right angled large terminal extension	3P	LC1G115...LC1G225	3	LA9G3671
		LC1G265...LC1G500	3	LA9G3672
		LC1G630...LC1G800	3	LA9G3673
Right angled rear terminal extension	3P	LC1G115...LC1G225	3	LA9G3681
		LC1G265...LC1G500	3	LA9G3682
		LC1G630...LC1G800	3	LA9G3683

Edgewise terminal extensions



LA9G3631

Description	Suitable for	Compatible with contactors	Quantity Set of	Reference
Edgewise terminal extension	3P	LC1G115...LC1G225	3	LA9G3631
		LC1G265...LC1G500	3	LA9G3632
		LC1G630...LC1G800	3	LA9G3633
	4P	LC1G115...LC1G225	4	LA9G4631
		LC1G265...LC1G500	4	LA9G4632
		LC1G630...LC1G800	4	LA9G4633



LA9G3611



LA9G3613



LA9G4711

Power terminals

Spreader kits

Description	Suitable for	Compatible with contactors	Increase of Pole pitch	Quantity Set of	Reference
Spreader kits	3P	LC1G115...LC1G225	35 to 45 mm	3	LA9G3611
		LC1G265...LC1G500	45 to 70 mm	3	LA9G3612
	4P	LC1G115...LC1G225	35 to 45 mm	4	LA9G4611
		LC1G265...LC1G500	45 to 70 mm	4	LA9G4612

Terminal extensions for larger power connections

Description	Suitable for	Compatible with contactors	Power connection size	Quantity Set of	Reference
Terminal connections	3P	LC1G400...LC1G500	50 mm width	3	LA9G3613
		LC1G630...LC1G800	80 mm width	3	LA9G3614
	4P	LC1G400...LC1G500	50 mm width	4	LA9G4613
		LC1G630...LC1G800	80 mm width	4	LA9G4614

Spreader kits suitable for box type connectors

Description	Suitable for	Compatible with contactors	Increase of Pole pitch	Suitable for box connectors	Quantity Set of	Reference
Spreader kits for box connectors	3P	LC1G115...LC1G225	35 to 45 mm	DZ2FJ1/FH1 & AL400	3	LA9G3711
		LC1G265...LC1G500	45 to 70 mm	DZ2FJ1/FK1 & AL400/AL600	3	LA9G3712
		LC1G630...LC1G800	70 to 80 mm	DZ2FL1/FK1 & Type S/AL600	3	LA9G3714
	4P	LC1G115...LC1G225	35 to 45 mm	DZ2FJ1/FH1 & AL400	4	LA9G4711
		LC1G265...LC1G500	45 to 70 mm	DZ2FJ1/FK1 & AL400/AL600	4	LA9G4712
		LC1G630...LC1G800	70 to 80 mm	DZ2FL1/FK1 & Type S/AL600	4	LA9G4714

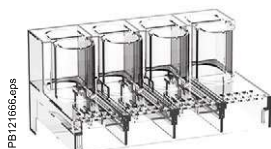
TeSys Control

Giga High power contactors – Power wiring accessories

Product references



LA9G4803



LA9G4701



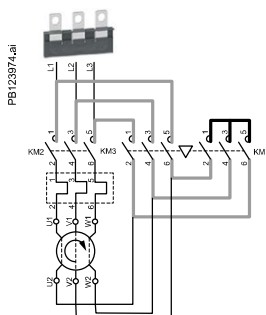
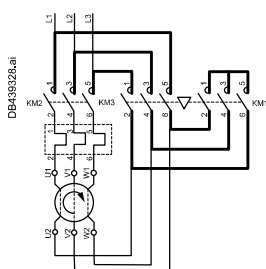
LA9G4707



LV429252



LA9GQQ330



Power terminal accessories

Phase separators

Description	Suitable for	Compatible with contactors	Quantity Set of	Reference
Phase separators ⁽¹⁾	3P	LC1G115...LC1G800	2	LA9G3801
	4P	LC1G115...LC1G800	3	LA9G4801
	3P – with 50/80 mm spreaders	LC1G400...LC1G800	2	LA9G3803 ⁽²⁾
	4P – with 50/80 mm spreaders	LC1G400...LC1G800	3	LA9G4803 ⁽³⁾

Terminal shrouds

Description	Compatible with contactors	Quantity Set of	Reference	
			3P	4P
IP 20 Terminal shrouds ⁽¹⁾	LC1G115...LC1G225	1	LA9G3701	LA9G4701
	LC1G265...LC1G500	1	LA9G3702	LA9G4702
	LC1G630...LC1G800	1	LA9G3703	LA9G4703

IP20 Lug cover for connection kits ⁽⁴⁾

Lug covers are used along with IP 20 terminal shrouds and star-delta, reverser and changeover connection kit assemblies to improve insulation of the coupling bars and achieve IP 20 for the complete assembly.

IP20 Lug cover for connection kits

Description	Suitable for	Compatible with contactors	Quantity Set of	Reference
IP 20 Lug cover	3P	LC1G115...LC1G800 ⁽⁴⁾	6	LA9G3707
	4P	LC1G115...LC1G800 ⁽⁴⁾	8	LA9G4707

Lugs for cable set

Description	Compatible with contactors	Cable section	Reference	
			Set of 3 for 3P	Set of 4 for 4P
Lugs for cable	LC1G115...LC1G225	120 mm ²	LV429252	LV429256
	LC1G115...LC1G225	150 mm ²	LV429253	LV429257
	LC1G115...LC1G225	185 mm ²	LV429254	LV429258
	LC1G265...LC1G500	240 mm ²	LV432500	LV432501
	LC1G265...LC1G500	300 mm ²	LV432502	LV432503

Star-Delta (Wye-Delta) connection kits ⁽⁵⁾

Description	Suitable for	for Line (KM2) and Delta (KM3) contactor	+ Star contactor (KM1)	Reference
Connection kit: bars for Line-Delta-Star contactor assembly	3P	LC1G115...LC1G225	LC1G115...LC1G225	LA9GQQ330
		LC1G265...LC1G500	LC1G115...LC1G225	LA9GSQ330
		LC1G265...LC1G500	LC1G265...LC1G500	LA9GSS330
		LC1G630...LC1G800	LC1G265...LC1G500	LA9GTS330
		LC1G630...LC1G800	LC1G630...LC1G800	LA9GTT330
with cable memory kit	3P	LC1G265...LC1G500	LC1G115...LC1G225	LA9GSQ331
		LC1G630...LC1G800	LC1G265...LC1G500	LA9GTS331

Star (Wye) connection kits ⁽⁵⁾

Description	Suitable for	Star contactor (KM1)	Reference
Connection kit for star contactor	3P	LC1G115...LC1G225	LA9GQW601
		LC1G265...LC1G500	LA9GSW601
		LC1G630...LC1G800	LA9GTW601

Note: RE17RMMWS timer to be used for Star-Delta starter application.

⁽¹⁾ Either phase separators or terminal shrouds can only be mounted. Phase separators or terminal shrouds are mandatory for operational voltage, $U_e \geq 690$ V.

⁽²⁾ To be used with LA9G3613 and LA9G3614.

⁽³⁾ To be used with LA9G4613 and LA9G4614.

⁽⁴⁾ LC1G630 & LC1G800 contactors need 2 pcs. of IP20 covers per pole. So 2 x LA9G3707 or 2 x LA9G4707 need to be ordered for these contactor assemblies. Please contact your technical support for more details.

⁽⁵⁾ UL listed.

⁽⁶⁾ Maximum 3 auxiliary contacts can be installed between 2 contactors with mechanical interlock kit.

High power contactors



LA9G970

Mechanical interlock

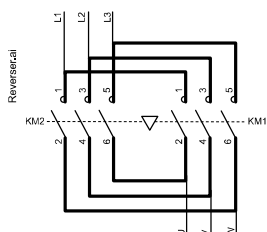
Description	Suitable for	Compatible with contactors		Reference
		Contactor 1	Contactor 2	
Mechanical interlock between contactors ⁽⁶⁾	3P and 4P	LC1G115...225	LC1G115...225	LA9G970
		LC1G265...500	LC1G265...500	LA9G970
		LC1G265...500	LC1G115...225	LA9G971
	3P	LC1G630...800	LC1G265...500	LA9G972
		LC1G630...800	LC1G630...800	LA9G973



LA9G3760

Reverser connection kits

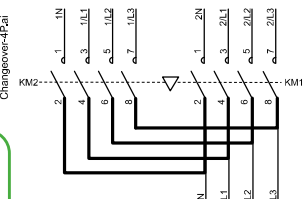
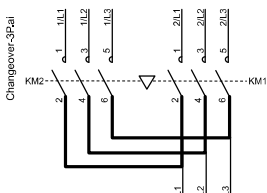
Description	Suitable for	Compatible with contactors	Reference
Connection kit: bars for reverser contactor assembly	3P	LC1G115...LC1G225	LA9G3760
		LC1G265...LC1G500	LA9G3761
		LC1G630...LC1G800	LA9G3762



LA9G3750

Changeover connection kits

Description	Suitable for	Compatible with contactors	Reference
Connection kit: bars for changeover contactor assembly	3P	LC1G115...LC1G225	LA9G3750
		LC1G265...LC1G500	LA9G3751
		LC1G630...LC1G800	LA9G3752
	4P	LC1G115...LC1G225	LA9G4750
		LC1G265...LC1G500	LA9G4751
		LC1G630...LC1G800	LA9G4752



High power contactors



RE17RMMWS

Modular timer relay for star-delta starters

- 8 A, 1 CO, multifunction with spring terminals, 12...240 V AC/DC
- 17.5 mm width same size as a 1-pole circuit breaker
- Covers 0.1 s to 100 h timing
- Transparent cover to protect settings from being tampered
- Multi functional gives flexibility in maintenance

Modular timer relay for star-delta starters

Description	Suitable for	Compatible with contactors	Reference
Harmony, Modular timing relay	3P	LC1G115...LC1G800	RE17RMMWS

TeSys Control

Giga High power contactors – Mounting accessories

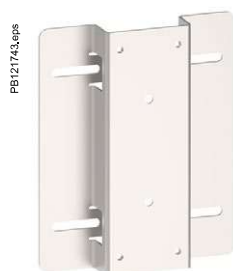
Product references



LA9GRFB1



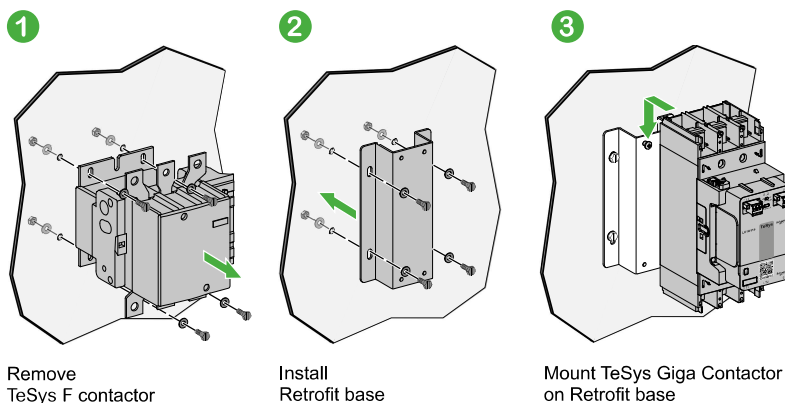
LA9GRFB2



LA9GRFB3

Retrofit bases

- Suitable for 3 pole contactors
- Retrofit bases to replace similar ratings of TeSys F contactors with TeSys Giga High power contactors
- Enables quick and simple replacement in the existing installation
- 3 references to cover ranges from LC1F115 to F800



TeSys Giga retrofit bases are designed for integrating new TeSys Giga High power contactors into installations using TeSys F contactors. The retrofit bases help reduce replacement and reinstallation time when you upgrade your system with the new range of contactors. The bases come in two frame sizes.

Retrofit bases

Description		Reference
Accessory used to replace	LC1F115-225 replaced by LC1G115-225	LA9GRFB1
TeSys F contactors	LC1F265-500 replaced by LC1G265-500	LA9GRFB2
	LC1F630-800 replaced by LC1G630-800	LA9GRFB3

TeSys Control

Giga High power contactors – Spare parts

Product references



LX1G3QLSEA

Control module

Wide band electronic control
24 V...500 V 50/60 Hz or DC control input
Advanced and standard versions
Accessible from the front for easy and quick replacement

The control module is needed for the operation of the contactor.

It performs the following functions:

- proper functioning of contactor based on the input control voltage
- monitoring and diagnostics of the pole condition
- generation of signaling commands.

The range of control modules is organized:

- per contactor size and for each rating,
- per control voltage range.

Each module has connectors for connecting:

- the coil control A1, A2 circuit & PLC output control (advanced version)
- pole status and diagnostic signaling circuits.



Control module replacement
on a 3-pole contactor

Control modules					
Description	For contactors		References per voltage range (V AC/DC)		
			24 - 48	48 - 130	200 - 500
Control modules for Advanced contactors	3-pole	LC1G115...LC1G225	LX1G3QBEEA	LX1G3QEHEA	LX1G3QLSEA
		LC1G265...LC1G330	LX1G3RBEEA	LX1G3REHEA	LX1G3RLSEA
		LC1G400...LC1G500	LX1G3SBEEA	LX1G3SEHEA	LX1G3SLSEA
		LC1G630...LC1G800	-	LX1G3TEHEA	LX1G3TLSEA
	4-pole	LC1G115...LC1G225	LX1G4QBEEA	LX1G4QEHEA	LX1G4QLSEA
		LC1G265...LC1G330	LX1G4RBEEA	LX1G4REHEA	LX1G4RLSEA
		LC1G400...LC1G500	LX1G4SBEEA	LX1G4SEHEA	LX1G4SLSEA
		LC1G630...LC1G800	-	LX1G4TEHEA	LX1G4TLSEA
Control modules for Standard contactors	3-pole	LC1G115...LC1G225	LX1G3QEHEN	LX1G3QKUEN	
		LC1G265...LC1G330	LX1G3REHEN	LX1G3RKUEN	
		LC1G400...LC1G500	LX1G3SEHEN	LX1G3SKUEN	
		LC1G630...LC1G800	LX1G3TEHEN	LX1G3TKUEN	
	4-pole	LC1G115...LC1G225	LX1G4QEHEN	LX1G4QKUEN	
		LC1G265...LC1G330	LX1G4REHEN	LX1G4RKUEN	
		LC1G400...LC1G500	LX1G4SEHEN	LX1G4SKUEN	
		LC1G630...LC1G800	LX1G4TEHEN	LX1G4TKUEN	

Connector for control module		
Description	Reference	
Push-in terminal connector for control module	LA9G81	

Remote wear diagnostic (RWD) module		
Description	Reference	
Remote wear diagnostic module for TeSys Giga Contactor - 1 NO	LA9GRD10 ⁽¹⁾	
Remote wear diagnostic module for TeSys Giga Contactor - 1 NC	LA9GRD01 ⁽¹⁾	

⁽¹⁾ Remote Wear Diagnostic (RWD) Module, can be installed and used only on Advanced version.



LA9G81



LA9GRD10



Switching module kits

Replaceable switching modules

- Innovative contact switching modules for TeSys Giga High power contactors
- Replace worn-out poles with a new switching module in minutes, without having to disassemble the whole product
- No special tools are needed for the replacement.

TeSys Giga - Switching modules for TeSys Giga High power contactors , Advanced and Standard versions

Description	For contactors		Quantity Set of	Reference
3 or 4 switching module kits	3-pole	LC1G115...LC1G225	3	LA9G3QA
		LC1G265...LC1G330	3	LA9G3RA
		LC1G400...LC1G500	3	LA9G3SA
		LC1G630...LC1G800	3	LA9G3TA
	4-pole	LC1G115...LC1G225	4	LA9G4QA
		LC1G265...LC1G330	4	LA9G4RA
		LC1G400...LC1G500	4	LA9G4SA
		LC1G630...LC1G800	4	LA9G4TA

Note: In the event of replacement, replace all switching modules. After replacement, change the position of RESET button on the control module from A to B or B to A.

TeSys Control

Giga High power contactors

Product references

LA9G3101	LA9G3TA	LA9GTT330	LC1G265BEEA	LC1G800LSEA
LA9G3102	LA9G4101	LAG8N113	LC1G265EHEA	LV429252
LA9G3103	LA9G4102	LAG8N113P	LC1G265EHEN	LV429253
LA9G3111	LA9G4103	LAG8N203	LC1G265KUEN	LV429254
LA9G3112	LA9G4111	LAG8N203P	LC1G265LSEA	LV429256
LA9G3113	LA9G4112	LC1G1154BEEA	LC1G3304BEEA	LV429257
LA9G3601	LA9G4113	LC1G1154EHEA	LC1G3304EHEA	LV429258
LA9G3602	LA9G4601	LC1G1154EHEN	LC1G3304EHEN	LV432500
LA9G3603	LA9G4602	LC1G1154KUEN	LC1G3304KUEN	LV432501
LA9G3611	LA9G4603	LC1G1154LSEA	LC1G3304LSEA	LV432502
LA9G3612	LA9G4611	LC1G115BEEA	LC1G330BEEA	LV432503
LA9G3613	LA9G4612	LC1G115EHEA	LC1G330EHEA	LX1G3QBEEA
LA9G3614	LA9G4613	LC1G115EHEN	LC1G330EHEN	LX1G3QEHEA
LA9G3631	LA9G4614	LC1G115KUEN	LC1G330KUEN	LX1G3QEHEN
LA9G3632	LA9G4631	LC1G115LSEA	LC1G330LSEA	LX1G3QKUEN
LA9G3633	LA9G4632	LC1G1504BEEA	LC1G4004BEEA	LX1G3QLSEA
LA9G3650	LA9G4633	LC1G1504EHEA	LC1G4004EHEA	LX1G3RBEEA
LA9G3651	LA9G4701	LC1G1504EHEN	LC1G4004EHEN	LX1G3REHEA
LA9G3652	LA9G4702	LC1G1504KUEN	LC1G4004KUEN	LX1G3REHEN
LA9G3653	LA9G4703	LC1G1504LSEA	LC1G4004LSEA	LX1G3RKUEN
LA9G3661	LA9G4707	LC1G150BEEA	LC1G400BEEA	LX1G3RLSEA
LA9G3662	LA9G4711	LC1G150EHEA	LC1G400EHEA	LX1G3SBEEA
LA9G3663	LA9G4712	LC1G150EHEN	LC1G400EHEN	LX1G3SEHEA
LA9G3671	LA9G4714	LC1G150KUEN	LC1G400KUEN	LX1G3SEHEN
LA9G3672	LA9G4750	LC1G150LSEA	LC1G400LSEA	LX1G3SKUEN
LA9G3673	LA9G4751	LC1G1854BEEA	LC1G5004BEEA	LX1G3SLSEA
LA9G3681	LA9G4752	LC1G1854EHEA	LC1G5004EHEA	LX1G3TEHEA
LA9G3682	LA9G4801	LC1G1854EHEN	LC1G5004EHEN	LX1G3TEHEN
LA9G3683	LA9G4803	LC1G1854KUEN	LC1G5004KUEN	LX1G3TKUEN
LA9G3701	LA9G4QA	LC1G1854LSEA	LC1G5004LSEA	LX1G3TLSEA
LA9G3702	LA9G4RA	LC1G185BEEA	LC1G500BEEA	LX1G4QBEEA
LA9G3703	LA9G4SA	LC1G185EHEA	LC1G500EHEA	LX1G4QEHEA
LA9G3704	LA9G4TA	LC1G185EHEN	LC1G500EHEN	LX1G4QEHEN
LA9G3705	LA9G81	LC1G185KUEN	LC1G500KUEN	LX1G4QKUEN
LA9G3706	LA9G82	LC1G185LSEA	LC1G500LSEA	LX1G4QLSEA
LA9G3707	LA9G970	LC1G2254BEEA	LC1G6304EHEA	LX1G4RBEEA
LA9G3711	LA9G971	LC1G2254EHEA	LC1G6304EHEN	LX1G4REHEA
LA9G3712	LA9G972	LC1G2254EHEN	LC1G6304KUEN	LX1G4REHEN
LA9G3714	LA9G973	LC1G2254KUEN	LC1G6304LSEA	LX1G4RKUEN
LA9G3750	LA9GQQ330	LC1G2254LSEA	LC1G630EHEA	LX1G4RLSEA
LA9G3751	LA9GRD01	LC1G225BEEA	LC1G630EHEN	LX1G4SBEEA
LA9G3752	LA9GRD10	LC1G225EHEA	LC1G630KUEN	LX1G4SEHEA
LA9G3760	LA9GRFB1	LC1G225EHEN	LC1G630LSEA	LX1G4SEHEN
LA9G3761	LA9GRFB2	LC1G225KUEN	LC1G8004EHEA	LX1G4SKUEN
LA9G3762	LA9GRFB3	LC1G225LSEA	LC1G8004EHEN	LX1G4SLSEA
LA9G3801	LA9GSQ330	LC1G2654BEEA	LC1G8004KUEN	LX1G4TEHEA
LA9G3803	LA9GSQ331	LC1G2654EHEA	LC1G8004LSEA	LX1G4TEHEN
LA9G3QA	LA9GSS330	LC1G2654EHEN	LC1G800EHEA	LX1G4TKUEN
LA9G3RA	LA9GTS330	LC1G2654KUEN	LC1G800EHEN	LX1G4TLSEA
LA9G3SA	LA9GTS331	LC1G2654LSEA	LC1G800KUEN	

High power
contactors

This document is current. Click on the product reference to get the most recent availability status (hyperlink to [se.com](https://www.se.com) product datasheet).
If your product variant is no longer available, please consult your distributor or regional sales office.

Technical Data for Designers

Contents

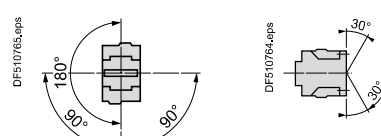
TeSys Giga High power contactors:

- > Characteristics B9/25 to B9/29
- > Dimensions B9/30 to B9/33
- > Diagrams B9/34

TeSys Control

Giga High power contactors

Characteristics

Environment						
Contactor type				LC1G115... 225	LC1G265... 500	LC1G630... 800
Rated insulation voltage (Ui)	Conforming to IEC 60947-4-1. Over-voltage category III, degree of pollution: 3		V	1000	1000	1000
Rated impulse withstand voltage (Uimp)	Coil not connected to the power circuit		kV	8	8	8
Conforming to standards				IEC/EN 60947-4-1, UL 60947-4-1, CSA C22.2 n° 60947-4-1, JIS C 8201-4-1, GB/T 14048.4, IEC 60721-3-3 3C3		
Product certifications				CB scheme, CCC, cULus, UKCA, EAC, EU-RO-MR by DNV		
Electromagnetic compatibility				IEC 60947-4-1		
Immunity				Following IEC 60947-4-1 Table 16		
Emission				Environment A according to IEC 60947-4-1		
Immunity to radiated electromagnetic interference				20V/m according to IEC/EN 61000-4-3		
Voltage sag immunity (in complete product as well)				Conforming to SEMI-F47		
Degree of protection	Conforming to IEC 60529 / VDE 0106			IP2x with terminal shrouds LA9G37●●/ LA9G47●●		
Climatic withstand				According to IACS E10		
Ambient air temperature around the device	Storage		°C	-60...+80		
	Operation		°C	-25...+60		
	Permissible at Uc		°C	-40...+70		
Net weight	Standard	3P	kg	3.5	7	14.2
		4P	kg	4.2	8.3	18
	Advanced	3P	kg	4.1	7.8	17.3
		4P	kg	5.1	8.9	22
Maximum operating altitude	Without derating		m	3000		
Operating positions	Without derating					
	With derating ⁽¹⁾					
Flame resistance	Conforming to IEC 60695-2-11		°C	850		
Shock resistance 1/2 sine wave = 11 ms Conforming to IEC 60068-2-27	Contactor open			10 gn	10 gn	10 gn
	Contactor closed			15 gn	15 gn	15 gn
Vibration resistance 5...300 Hz Conforming to IEC 60068-2-6	Contactor open			2 gn	2 gn	2 gn
	Contactor closed			4 gn	4 gn	4 gn

⁽¹⁾ For derating details, please contact technical support.

TeSys Control

Giga High power contactors

Characteristics

Pole characteristics

Contactor type				LC1G115	LC1G150	LC1G185	LC1G225
Number of poles				3 or 4	3 or 4	3 or 4	3 or 4
Rated operational current (Ie)	Ue ≤ 440 V	In AC-3 / AC-3e, θ ≤ 60 °C	A	115 / 115	150 / 145	185 / 177	225 / 209
	Ue ≤ 1000 V	In AC-1, θ ≤ 40 °C	A	250	275	305	330
Rated operational voltage (Ue)	Up to		V	1000 ⁽¹⁾	1000	1000	1000
Rated frequency (f) ⁽²⁾			Hz	50 / 60	50 / 60	50 / 60	50 / 60
Frequency operating limits	With derating ⁽³⁾		Hz	16 2/3 ...400	16 2/3 ...400	16 2/3 ...400	16 2/3 ...400
Conventional thermal current	θ ≤ 40 °C		A	250	275	305	330
Rated making capacity	I rms conforming to IEC 60947-4-1		A	Making current: 10 x I in AC-3 or 12 x I in AC-4 Making current: 13 x I in AC-3e			
Rated breaking capacity	I rms conforming to IEC 60947-4-1		A	Making and breaking current: 8 x I in AC-3 or 10 x I in AC-4 Making and breaking current: 8.5 x I in AC-3e			
Maximum permissible current	For 10 s		A	1100	1200	1500	1800
No current flowing for previous 60 minutes, at θ ≤ 40 °C	For 30 s		A	640	700	920	1000
	For 1 min		A	520	600	740	850
	For 3 min		A	400	450	500	560
	For 10 min		A	320	350	400	440
Short-circuit protection by fuses	Fuses for motor: type aM - Ue ≤ 440 V		A	125	160	200	250
	Fuses for motor: type aM - Ue ≤ 690 V		A	125	160	160	200
	Fuses for general application: type gG - Ue ≤ 690 V		A	315	315	315	400
Average impedance per pole	At Ith and 50 Hz		mΩ	0.18	0.18	0.17	0.15
Power dissipation per pole for the above operational currents	AC-3 / AC-3e		W	3	5	6	8
	AC-1		W	10	10	20	20
Connection				Maximum c.s.a.			
	Bar	Number of bars		2	2	2	2
		Bar	mm	25 x 6	25 x 6	25 x 6	25 x 6
	Cable with lug		mm²	185	185	185	185
	Cable with connector		mm²	185	185	185	185
	Bolt diameter		mm	Ø8,5	Ø8,5	Ø8,5	Ø8,5
Tightening torque	Power circuit connections		N.m	18	18	18	18

⁽¹⁾ Ue ≤ 1000 V for AC-1 / Ue ≤ 690 V for AC-3 / AC-3e / AC-4.

⁽²⁾ Please consult your technical support team for application with frequencies other than 50/60 Hz.

⁽³⁾ For derating details, please contact technical support.

COORD.

Ref.



High power
contactors

TeSys Control

Giga High power contactors

Characteristics

Pole characteristics					
LC1G265	LC1G330	LC1G400	LC1G500	LC1G630	LC1G800
3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4
265 / 255	330 / 294	400 / 391	500 / 437	630 / 555	800 / 587
385	440	550	700	1050	1050
1000	1000	1000	1000	1000	1000
50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
16 2/3...400	16 2/3...400	16 2/3...400	16 2/3...400	16 2/3...400	16 2/3...400
385	440	550	700	1050	1050
Making current: 10 x I in AC-3 or 12 x I in AC-4					
Making current: 13 x I in AC-3e					
Making and breaking current: 8 x I in AC-3 or 10 x I in AC-4					
Making and breaking current: 8.5 x I in AC-3e					
2200	2650	3600	4000	5050	5500
1230	1800	2400	2800	4400	4600
950	1300	1700	2200	3400	3600
620	900	1200	1500	2200	2600
480	750	1000	1200	1600	1700
315	400	500	500	630	800
250	250	315	400	500	630
400	500	630	800	1250	1250
0.144	0.144	0.1	0.08	0.065	0.065
11	16	16	20	26	42
20	30	30	40	70	70
Maximum c.s.a.					
2	2	2	2	2	2
30 x 10	30 x 10	30 x 10	30 x 10	50 x 10	50 x 10
240	2 x 150	2 x 185	2 x 240	-	-
240	-	-	-	-	-
Ø10.6	Ø10.6	Ø10.6	Ø10.6	Ø13	Ø13
35	35	35	35	58	58

COORD

Ref.



High power contactors

TeSys Control

Giga High power contactors

Characteristics

TeSys Giga High power contactors - Advanced version - Control circuit characteristics with AC/DC coils									
Contactor type					LC1G115...225	LC1G265...330	LC1G400...500	LC1G630...800	
Rated control circuit voltage (Uc)				V	24...48 AC/DC, 48...130 AC/DC, 200...500 AC/DC ⁽¹⁾				
Control voltage limits (θ ≤ 60 °C)	AC input (50/60 Hz) ⁽²⁾ /DC input	Operation			0.8 Uc Min...1.1 Uc Max				
		Drop-out			0.1 Uc Max...0.45 Uc Min				
Inputs compatibility PLC digital output 24 V DC Type 3 IEC61131-2		Off-state		V DC	0...5				
		On-state		V DC	11...30				
Average consumption at 20 °C and at Uc (3 and 4-pole contactors)	24...48 V AC/DC coil (BEE)	Inrush	50/60 Hz coil	VA	290	540	490	-	
			DC	W	220	380	350	-	
		Sealed	50/60 Hz coil	VA	10	17.9	17.9	-	
			DC	W	5.7	6.4	6	-	
	48...130 V AC/DC coil (EHE)	Inrush	50/60, 400 Hz coil	VA	260	430	450	560	
			DC	W	190	360	360	440	
		Sealed	50/60, 400 Hz coil	VA	8.9	11.7	11.7	12	
			DC	W	5	9	8.3	8.8	
	200...500 V AC/DC coil (LSE)	Inrush	50/60 Hz coil	VA	295	530	535	670	
			DC	W	215	300	300	390	
		Sealed	50/60 Hz coil	VA	13	16.1	15.4	17	
			DC	W	8	9	8.6	11	
Heat dissipation				W	4...5	5...6	5...6	5...6	
Operating time	Closing "C"			ms	40...70	40...70	40...70	40...70	
	Opening "O"			ms	15...50	15...50	15...50	15...50	
Mechanical durability at Uc	In millions of operating cycles (max)				8	8	8	5	
Maximum operating rate at ambient temperature ≤ 60 °C	In operating cycles per hour	AC-1			300	300	300	300	
		AC-3/AC-3e			600	600	600	600	
		AC-4			150	150	60	60	
Coil control and PLC input connection (Push-in type)					Min/max c.s.a.				
Flexible cable	1 conductor with cable end			mm ² 	0.25...2.5	0.25...2.5	0.25...2.5	0.25...2.5	
	2 conductors with Dual Sleeve			mm ² 	0.5...1	0.5...1	0.5...1	0.5...1	
Solid cable	1 conductor			mm ² 	0.2...2.5	0.2...2.5	0.2...2.5	0.2...2.5	
	Stripping length			mm 	12	12	12	12	

(1) 24...48 V AC/DC control voltage option is available for LC1G115...LC1G500 ratings.

(2) AC input (50/60, 400 Hz)/DC input is available for EHE advanced coil.

TeSys Control

Giga High power contactors

Characteristics

TeSys Giga High power contactors - Standard version control circuit characteristics with AC/DC coils									
Contactor type					LC1G115...225	LC1G265...330	LC1G400...500	LC1G630...800	
Rated control circuit voltage (Uc)				V	48...130 AC/DC, 100...250 AC/DC				
Control voltage limits (θ ≤ 60 °C)	AC input (50/60 Hz) /DC input	Operation			0.8 Uc Min...1.1 Uc Max ⁽¹⁾				
		Drop-out			0.1 Uc Max...0.45 Uc Min				
Average consumption at 20 °C and at Uc (3 and 4-pole contactors)	48...130 V AC/DC coil (EHE) ⁽²⁾	Inrush	50/60 Hz coil	VA	640	780	965	990	
			DC	W	445	695	760	790	
		Sealed	50/60 Hz coil	VA	17.7	17.6	17.6	17.7	
			DC	W	7.8	7.8	7.8	9.5	
	100...250 V AC/DC coil (KUE)	Inrush	50/60 Hz coil	VA	540	700	750	800	
			DC	W	380	645	660	680	
		Sealed	50/60 Hz coil	VA	12.4	15	15.5	15	
			DC	W	7.8	9.1	9.3	9.5	
Heat dissipation				W	5...6	6...7	6...7	6...7	
Operating time	Closing "C"			ms	40...70	40...70	40...70	40...70	
	Opening "O"			ms	15...50	15...50	15...50	15...50	
Mechanical durability at Uc	In millions of operating cycles (max)				8	8	8	5	
Maximum operating rate at ambient temperature ≤ 60 °C	In operating cycles per hour	AC-1			300	300	300	300	
		AC-3/AC-3e			600	600	600	600	
		AC-4			150	150	60	60	
Coil control connection (Push-in type)					Min/max c.s.a.				
Flexible cable	1 conductor with cable end			mm ² 	0.25...2.5	0.25...2.5	0.25...2.5	0.25...2.5	
	2 conductors with Dual Sleeve			mm ² 	0.5...1	0.5...1	0.5...1	0.5...1	
Solid cable	1 conductor			mm ² 	0.2...2.5	0.2...2.5	0.2...2.5	0.2...2.5	
	Stripping length			mm 	12	12	12	12	

(1) 0.7 Uc Min for 110 V DC input (with KUE coil).

(2) Prospective peak current during switch-on: max 110 A with max duration of 200 μs (with EHE coil).

COORD

Ref.



High power
contactors

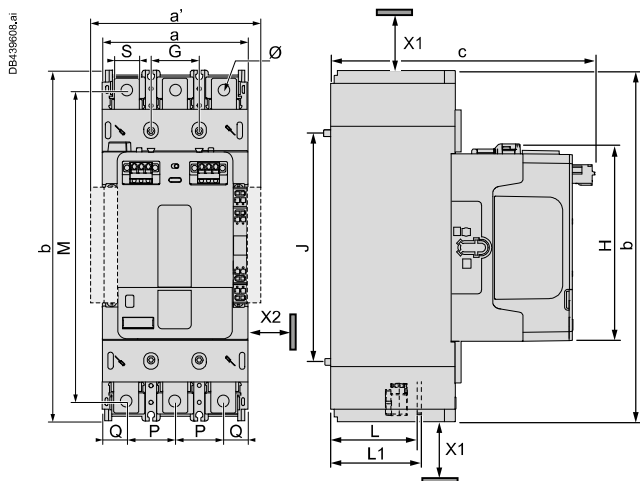
TeSys Control

Giga High power contactors

Dimensions

Advanced LC1G115...225 TeSys Giga High power contactors

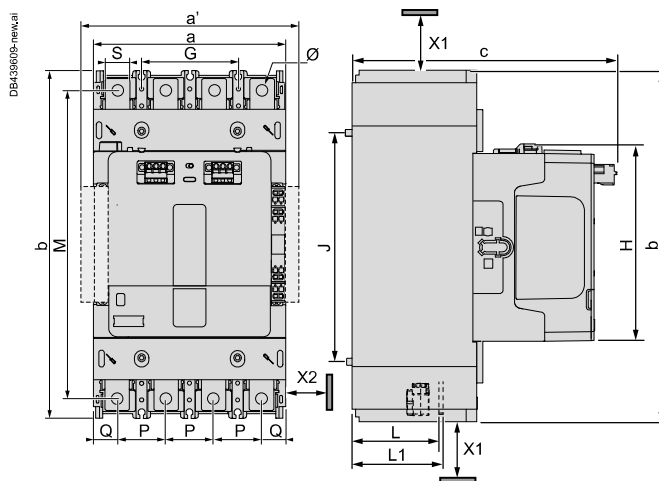
3-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
107.7	254.7	192.9	35	166	225.7	144.1	63.9	66.9	35	18.9	18	8.5

4-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
142.7	254.7	192.9	70	166	225.7	144.1	63.9	66.9	35	18.9	18	8.5

X1 (mm) = Minimum electrical clearance.

LC1G115...800, up to 1000 V: 40 mm

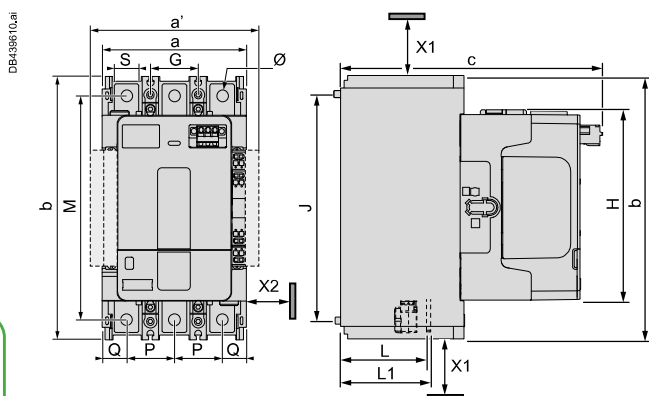
X2 (mm) = Minimum electrical clearance according to operating voltage inside metallic cabinets / adjacent installation of contactors.

LC1G115...800: 5 mm.

a' = a + 20 mm with additional auxiliary contact blocks on both sides (externally).

Standard LC1G115...225 TeSys Giga High power contactors

3-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
107.7	193	192.9	35	166	164.1	139.4	66.9	69.9	35	18.9	18	8.5

X1 (mm) = Minimum electrical clearance.

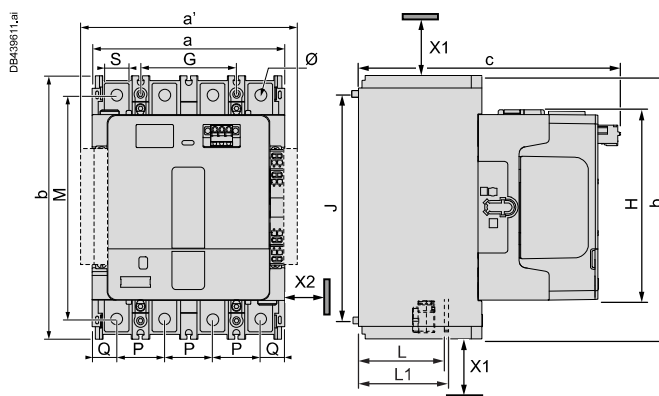
LC1G115...800, up to 1000 V: 40 mm

X2 (mm) = Minimum electrical clearance according to operating voltage inside metallic cabinets / adjacent installation of contactors.

LC1G115...800: 5 mm.

a' = a + 20 mm with additional auxiliary contact blocks on both sides (externally).

4-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
142.7	193	192.9	70	166	164.1	139.4	66.9	69.9	35	18.9	18	8.5

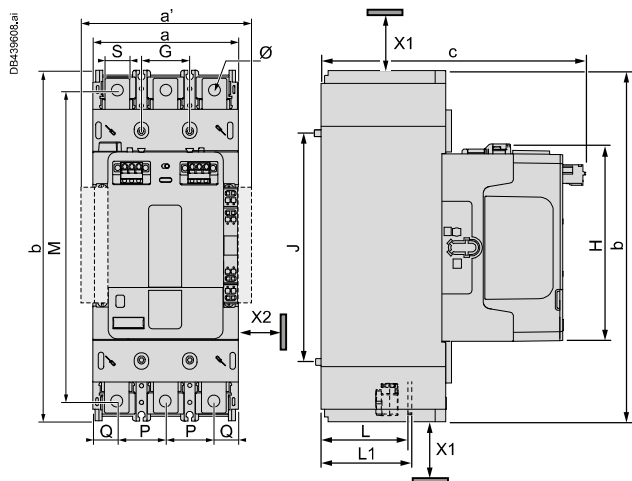
TeSys Control

Giga High power contactors

Dimensions

Advanced LC1G265...500 TeSys Giga High power contactors

3-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
140	290	225.5	45	187	261.6	166.7	72.8	78.8	45	25	30	10.6

X1 (mm) = Minimum electrical clearance.

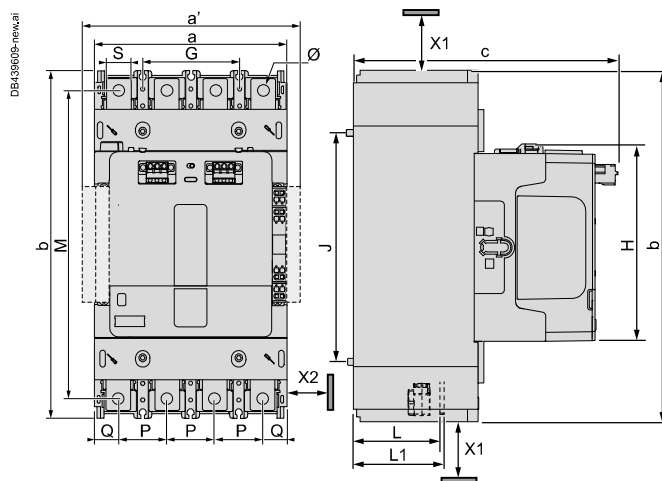
LC1G115...800, up to 1000 V: 40 mm.

X2 (mm) = Minimum electrical clearance according to operating voltage inside metallic cabinets / adjacent installation of contactors.

LC1G115...800: 5 mm.

a' = a + 20 mm with additional auxiliary contact blocks on both sides (externally).

4-pole

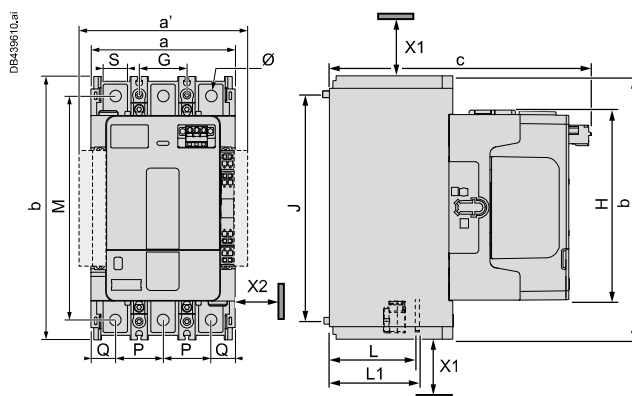


All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
185	290	225.5	90	187	261.6	166.7	72.8	78.8	45	25	30	10.6

Standard LC1G265...500 TeSys Giga High power contactors

3-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1
140	225	225.5	45	187	197	161.8	78.8	LC1G265-330: 81.8
								LC1G400: 82.8
								LC1G500: 83.8

P	Q	S	Ø
45	25	30	10.6

X1 (mm) = Minimum electrical clearance.

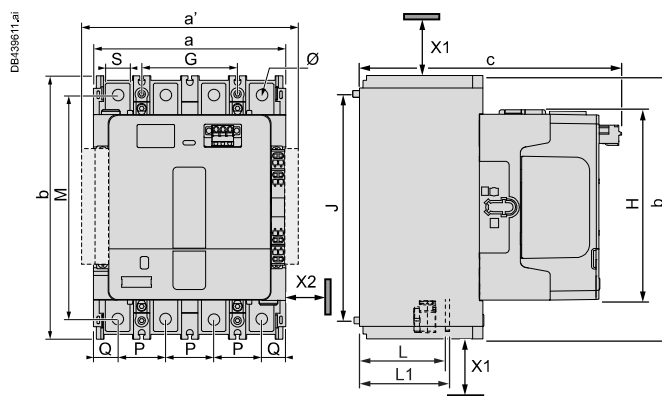
LC1G115...800, up to 1000 V: 40 mm.

X2 (mm) = Minimum electrical clearance according to operating voltage inside metallic cabinets / adjacent installation of contactors.

LC1G115...800: 5 mm.

a' = a + 20 mm with additional auxiliary contact blocks on both sides (externally).

4-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1
185	225	225.5	90	187	197	161.8	78.8	LC1G265-330: 81.8
								LC1G400: 82.8
								LC1G500: 83.8

P	Q	S	Ø
45	25	30	10.6

TeSys Control

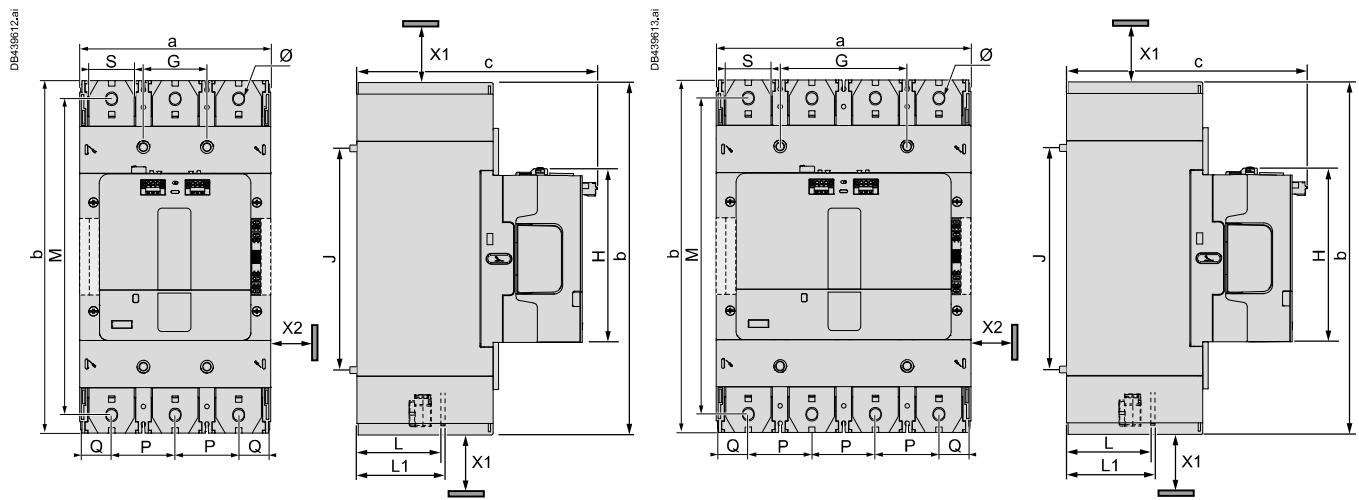
Giga High power contactors

Dimensions

Advanced LC1G630...800 TeSys Giga High power contactors

3-pole

4-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
210.6	388.5	265.6	70	242	348.5	192.1	99	107	70	35.3	48	13

All dimensions are in mm.

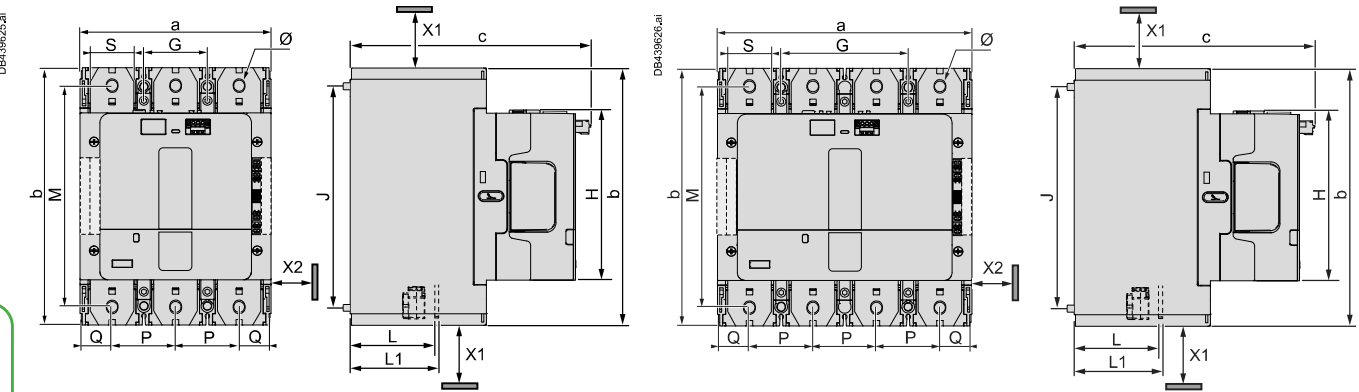
a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
280.6	388.5	265.6	140	242	348.5	192.1	99	107	70	35.3	48	13

X1 (mm) = Minimum electrical clearance.
 LC1G115...800, up to 1000 V: 40 mm.
 X2 (mm) = Minimum electrical clearance according to operating voltage inside metallic cabinets / adjacent installation of contactors.
 LC1G115...800: 5 mm.

Standard LC1G630...800 TeSys Giga High power contactors

3-pole

4-pole



All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
210.6	284	265.6	70	242	244	187.4	107	113	70	35.3	48	13

All dimensions are in mm.

a	b	c	G	J	M	H	L	L1	P	Q	S	Ø
280.6	284	265.6	140	242	244	187.4	107	113	70	35.3	48	13

X1 (mm) = Minimum electrical clearance.
 LC1G115...800, up to 1000 V: 40 mm.
 X2 (mm) = Minimum electrical clearance according to operating voltage inside metallic cabinets / adjacent installation of contactors.
 LC1G115...800: 5 mm.

TeSys Control

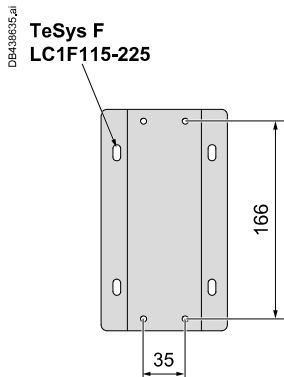
Retrofit base plates to replace TeSys F contactors

Dimensions/mounting

Dimensions

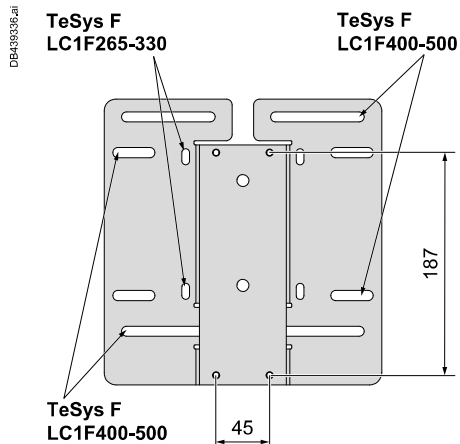
LA9GRFB1

For replacement of F115-225



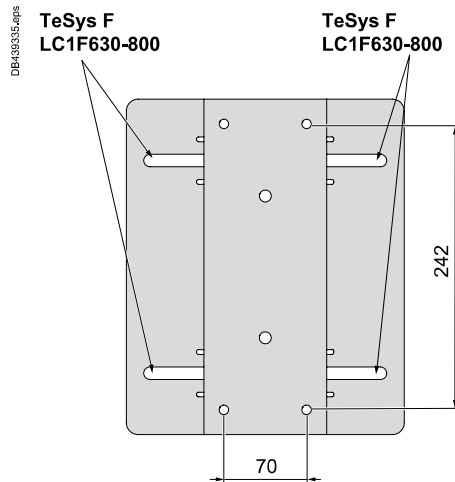
LA9GRFB2

For replacement of F265-500



LA9GRFB3

For replacement of F630 and F800



Note: All dimensions are in mm.

Ref.

High power
contactors

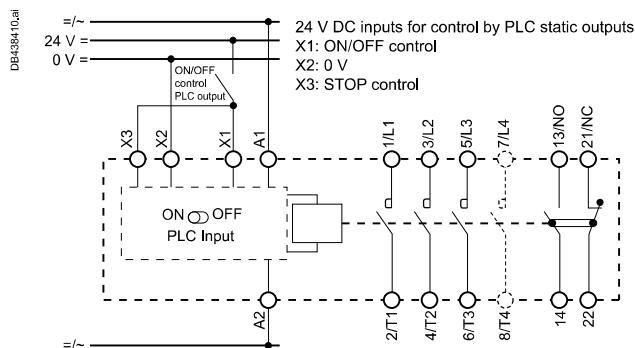
TeSys Control

Giga High power contactors

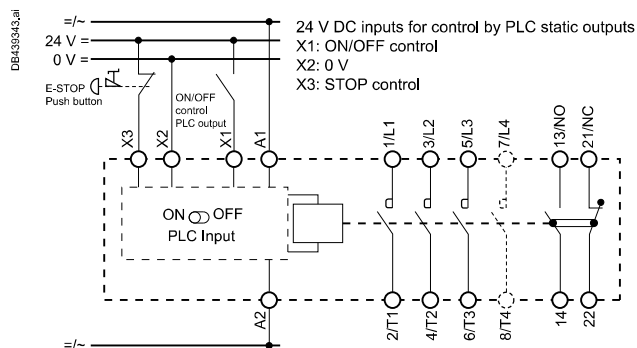
Diagrams

TeSys Giga High power contactors

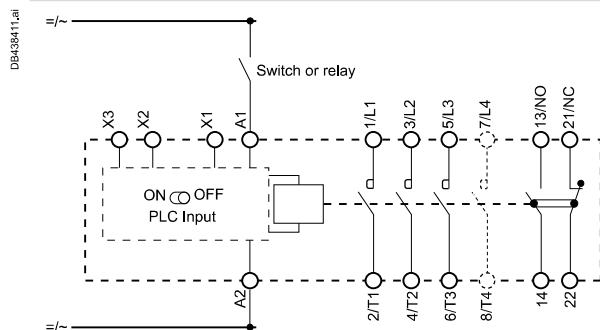
Advanced version - ON/OFF control by PLC



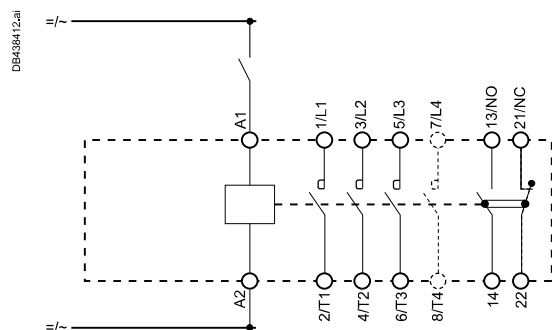
Advanced version - ON/OFF control by PLC in safety application



Advanced version - Control by switch



Standard version

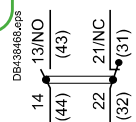


Add-on blocks

Instantaneous auxiliary contacts

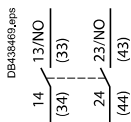
1 N/O + 1 N/C

LAG8N113P
mirror contacts



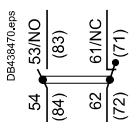
2 N/O

LAG8N203P



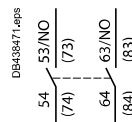
1 N/O + 1 N/C

LAG8N113
mirror contacts



2 N/O

LAG8N203



(1) Terminal numbers in brackets refer to blocks when mounted upside down, on left-hand side of contactor.

