



Time to switch

New TeSys Giga Motor Starter Series

Time to switch TeSys F* contactors for the next generation of high-power contactors TeSys Giga



Introducing new
TeSys Giga
series Motor Starters



TeSys Giga. a new Generation series with digital innovation

Over more than 4 decades, the TeSys F range of contactors has built a high reputation for performance, reliability, and quality. The TeSys F range set the industrial standard for high power contactors with an installed base of millions of products. TeSys F contactors were the first choice of many OEMs, control panel builders and industrial users. But industry requirements have evolved to demand process performance monitoring through data networks and online expert services.

TeSys Giga is Schneider Electric's new range of contactors that answer these evolving needs. TeSys Giga Contactors support the evolution of processes and offer new services to reduce nonproduction time to a minimum. Replacing TeSys F Contactors, TeSys Giga Contactors address a wide range of demanding applications with built-in advanced features and functionalities.

Futuristic ready...

TeSys Giga Contactors are designed to work with components and accessories with advanced performance. The characteristics of robustness and longevity are maintained, both in the connectors and in the switching. Continuous local and remote monitoring of contact wear optimizes predictive maintenance by allowing you to replace contacts only, when necessary, facilitated by diagnostic visual indicator.

Every customer will benefit from the innovative design and feature, including the compact size, wideband electronic coils, embedded auxiliary contact blocks, ergonomic design, or flexibility in connections.

*The EOC date (End of Commercialization) for the relevant TeSys F contactors has been set at November 30, 2023. This phase-out relates to TeSys F contactors in the ratings from 115A to 800A AC3, 200A to 1000A AC1, with the rating exception of TeSys F 780A AC3 and 1000A AC3 as well as TeSys F contactors in the calibers from 1250A to 2600A AC1. Those calibers will continue to be available in the portfolio.



Contactors & overload relay TeSys F Motor Starters



Contactors & overload relay TeSys Giga Motor Starters

The TeSys F contactors to be phased out will be replaced by the new contactor range, TeSys Giga. The new replacement product line TeSys Giga contactors is already available and is functionally replaceable one-to-one. This new product line of TeSys Giga contactors reduces engineering time, improves machine reliability and availability and lowers maintenance costs:

- **Compact:** TeSys Giga contactors are smaller and more compact than TeSys F contactors. Thanks to a more compact design, TeSys Giga contactors offer up to 40% space savings
- **Modular:** A modular design allows easy replacement of replaceable parts, increasing reliability and robustness by up to 90% and speeding up integration and commissioning by up to 50%
- **Energy-efficient:** TeSys Giga contactors use an energy-efficient coil, which means that the total energy consumption (in peak current and consumption over time) is lower compared to the TeSys F contactors
- **Full protection:** The TeSys Giga range offers complete protection by means of electronic thermal relays, including trip class selection, earth leakage protection, and phase unbalance protection
- **High reliability:** Improved auxiliary contacts (17V, 1mA) improve reliability in harsh environments and meet high density PLC input applications

• **Diagnostics:** Diagnostic functions provide access to predictable maintenance with unique calculations to better diagnose and detect contact wear, tip wear level, coil under/over voltage, internal failure and contactor status on opening and closing

• **Touch protection:** the TeSys Giga contactors are, if necessary, with accessories, all-round touch-safe (IP20)

• **QR codes:** easy and direct access to technical documents, videos and protection against counterfeiting as digital support for the customer

• **Convenience:** TeSys Giga contactors offer the possibility to replace the coil from the front. There is no need to keep extra space on the side of the contactor as with TeSys F contactors

• **Flexibility:** TeSys Giga contactors are available in a standard version (Standard) and an advanced version (Advanced), the later offering more flexibility with a direct control either by traditional coil terminals A1-A2 or by PLC 24VDC input terminals without the need for intermediate relay.

• **Simplicity:** the number of article numbers for TeSys Giga contactors has been reduced by 60% to 96 contactor versions and 38 control voltage coil modules compared to the 272 contactors versions and 108 control voltage coil modules for TeSys F contactors. The coil was available as a separate item number for the TeSys F contactors. This coil is now standard part of TeSys Giga contactors.



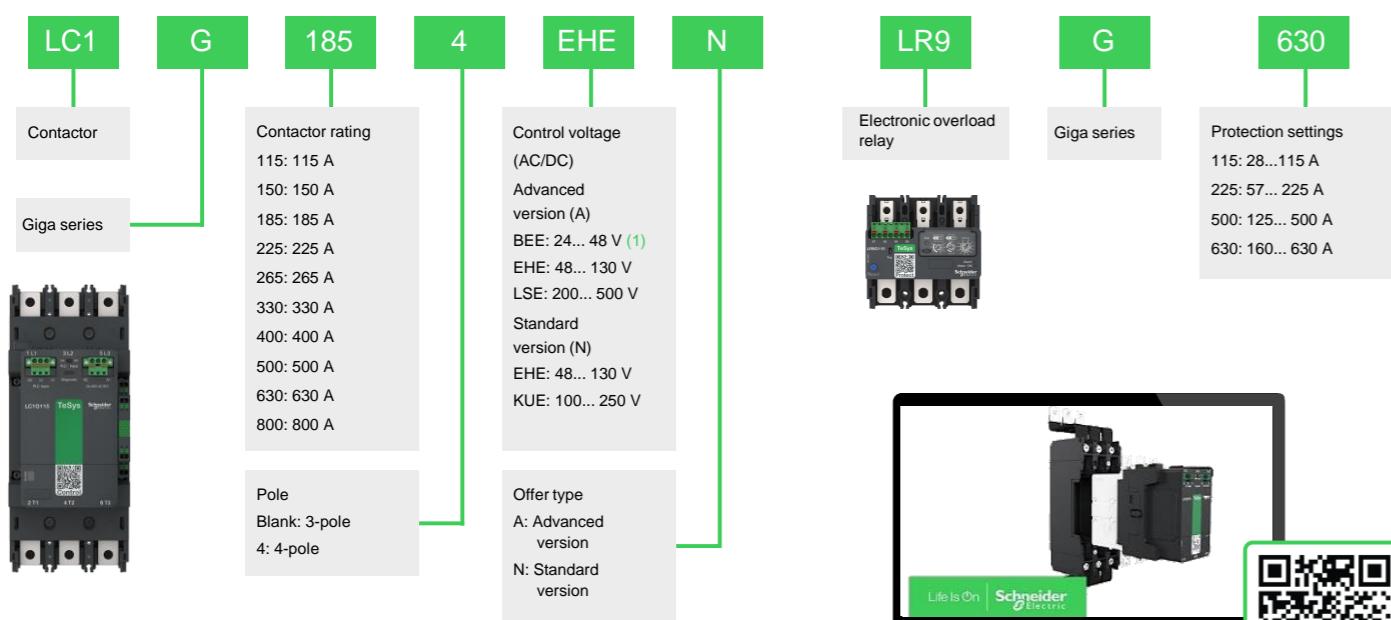
<https://youtu.be/Bqfd-zhbTsU>

TeSys Giga series motor starters improve the reliability of your operations while simplifying your maintenance.

TeSys Giga is the next generation of high current contactors from 115 A to 800 A for AC-3 applications (motor control) and from 250 A to 1050 A for AC-1 applications (resistive load control). They are available in 3 or 4 poles having the same width and the same pole pitch as the associated circuit breaker and electronic thermal relay. They operate with a wide control voltage range and incorporate diagnostic functions, including contact wear diagnostics and control voltage diagnostics.

There are two versions of contactors:

- **TeSys Giga advanced version contactors** controlled via traditional A1-A2 terminals or via 24VDC / 500mA PLC input terminals. They work with the control voltage ranges 24-48, 48-130 or 200-500 VAC/VDC.
- **TeSys Giga Standard version contactors** controlled via traditional A1-A2 terminals. They operate with 48-130 or 100-250 VAC/VDC control voltage ranges.
- **TeSys Giga Electronic Overload relays.** Available in 3 sizes with direct mounting on contactors saving in panel space and installation time



Example:
LC1G400LSEA TeSys Giga Contactor Advanced version 400 A, 3-pole, 200...500 V AC/DC coil, with PLC control.
LC1G1854EHEN TeSys Giga Contactor Standard version 185 A, 4-pole, 48...130 V AC/DC coil, without PLC control.
(1) 24...48 V AC/DC control voltage option is available for LC1G115...LC1G500 ratings.

Standard 3-pole / 4-pole (-N version)



Advanced 3-pole / 4-pole (-A version)



Overload relays



Contactors for TeSys Giga Motor Starter



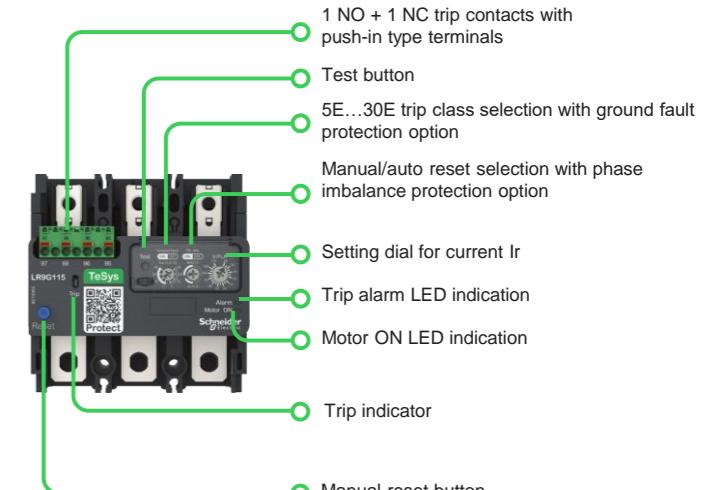
Contact Wear Diagnosis & Local Fault Detection with LED Indicator

Fault type identification

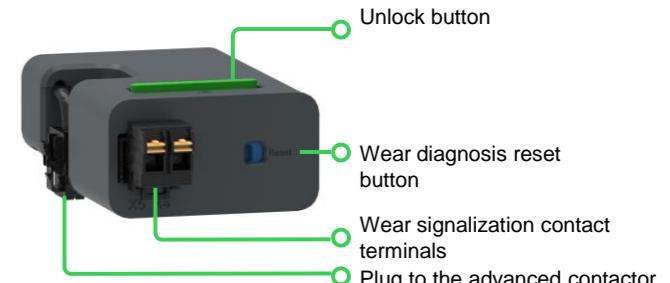
Different frequencies of LED flashing indicates various fault types. The patented contact wear diagnostic function uses continuous data collection and embedded machine learning algorithm to accurately predict the contactor lifetime, enabling predictive maintenance to reduce unexpected downtime. The under & over voltage detection helps customer (especially) commissioning safe and enables quick trouble shooting.

LED Flashing code

- Contact wear diagnostic: 1 beat
- Coil undervoltage: 2 beats
- Coil overvoltage: 3 beats
- Internal fault: continuous beats



Electronic overload relays for TeSys Giga motor starters



Remote contact wear diagnosis with optional screw-less plug-in module

Remote alarm monitoring (optional)

- Remote wear diagnosis (RWD) module enables remote alarm for central monitoring
- Show contact wear alarm status remotely by wiring the NC (or NO) contact terminals of the RWD module



TeSys Giga –

How to install and remove remote wear diagnosis module

TeSys Giga –
How to Replace Switching Modules on 3 Pole Contactor

TeSys Giga References always come with a voltage control code and a control module version

TeSys Giga contactors do not offer the possibility to order the contactor base separately from the coil as with previous TeSys F contactors. TeSys Giga references always ends with a 4-digit code specifying the voltage control range and the control module version:-N for standard, -A for advanced including a PLC 24VDC input terminals

Control modules code for Advanced contactors			
Description	Pole	For contactors	References per voltage range (V AC/DC)
Control modules for Advanced contactors	3-/4-pole	LC1G115..LC1G225	BEEA EHEA LSEA
		LC1G265..LC1G330	BEEA EHEA LSEA
		LC1G400..LC1G500	BEEA EHEA LSEA
		LC1G630..LC1G800	- EHEA LSEA

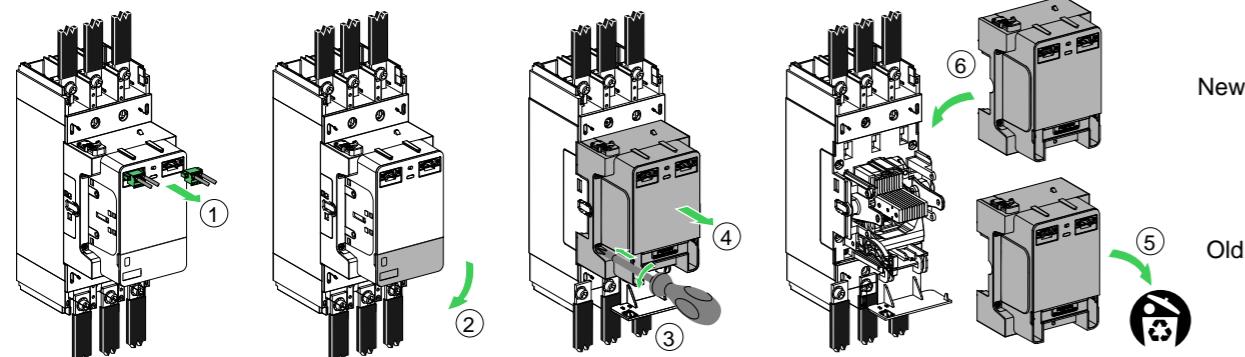


Control modules code for Standard contactors			
Description	Pole	For contactors	References per voltage range (V AC/DC)
Control modules for Standard contactors	3-/4-pole	LC1G115..LC1G225	EHEN KUEN
		LC1G265..LC1G330	EHEN KUEN
		LC1G400..LC1G500	EHEN KUEN
		LC1G630..LC1G800	EHEN KUEN

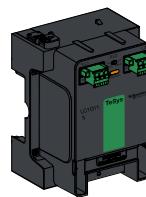


TeSys Giga Control Module Spareparts

TeSys Giga contactors offer the possibility to replace the coil from the front by unscrewing the control module. There is no need to keep extra space on the side of the contactor as with TeSys F contactors to replace the coil. TeSys Giga contactors are available in a standard version (Standard) and an advanced version (Advanced), the later offering more flexibility with a direct control either by traditional coil terminals A1-A2 or by PLC 24VDC input terminals without the need for intermediate relay.



Control modules code for Advanced contactors			
Description	Pole	For contactors	References per voltage range (V AC/DC)
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
Control modules for Advanced contactors	4-pole	LC1G115..LC1G225	LX1G4QBEEA LX1G4QEHEA LX1G4QLSEA
		LC1G265..LC1G330	LX1G4RBEEA LX1G4REHEA LX1G4RLSEA
		LC1G400..LC1G500	LX1G4SBEEA LX1G4SEHEA LX1G4SLSEA
		LC1G630..LC1G800	- LX1G4TEHEA LX1G4TLSEA



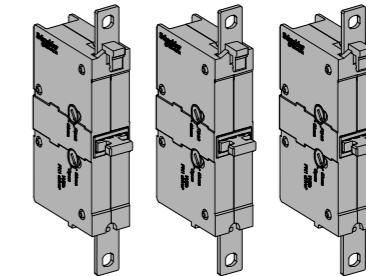
Control modules code for Standard contactors			
Description	Pole	For contactors	References per voltage range (V AC/DC)
Control modules for Standard contactors	3-pole	LC1G115..LC1G225	LX1G3QEHEN LX1G3QKUEN
		LC1G265..LC1G330	LX1G3REHEN LX1G3RKUEN
		LC1G400..LC1G500	LX1G3SEHEN LX1G3SKUEN
		LC1G630..LC1G800	- LX1G3TEHEN LX1G3TKUEN
Control modules for Standard contactors	4-pole	LC1G115..LC1G225	LX1G4QEHEN LX1G4QKUEN
		LC1G265..LC1G330	LX1G4REHEN LX1G4RKUEN
		LC1G400..LC1G500	LX1G4SEHEN LX1G4SKUEN
		LC1G630..LC1G800	- LX1G4TEHEN LX1G4TKUEN



TeSys Giga Switching Module Spareparts

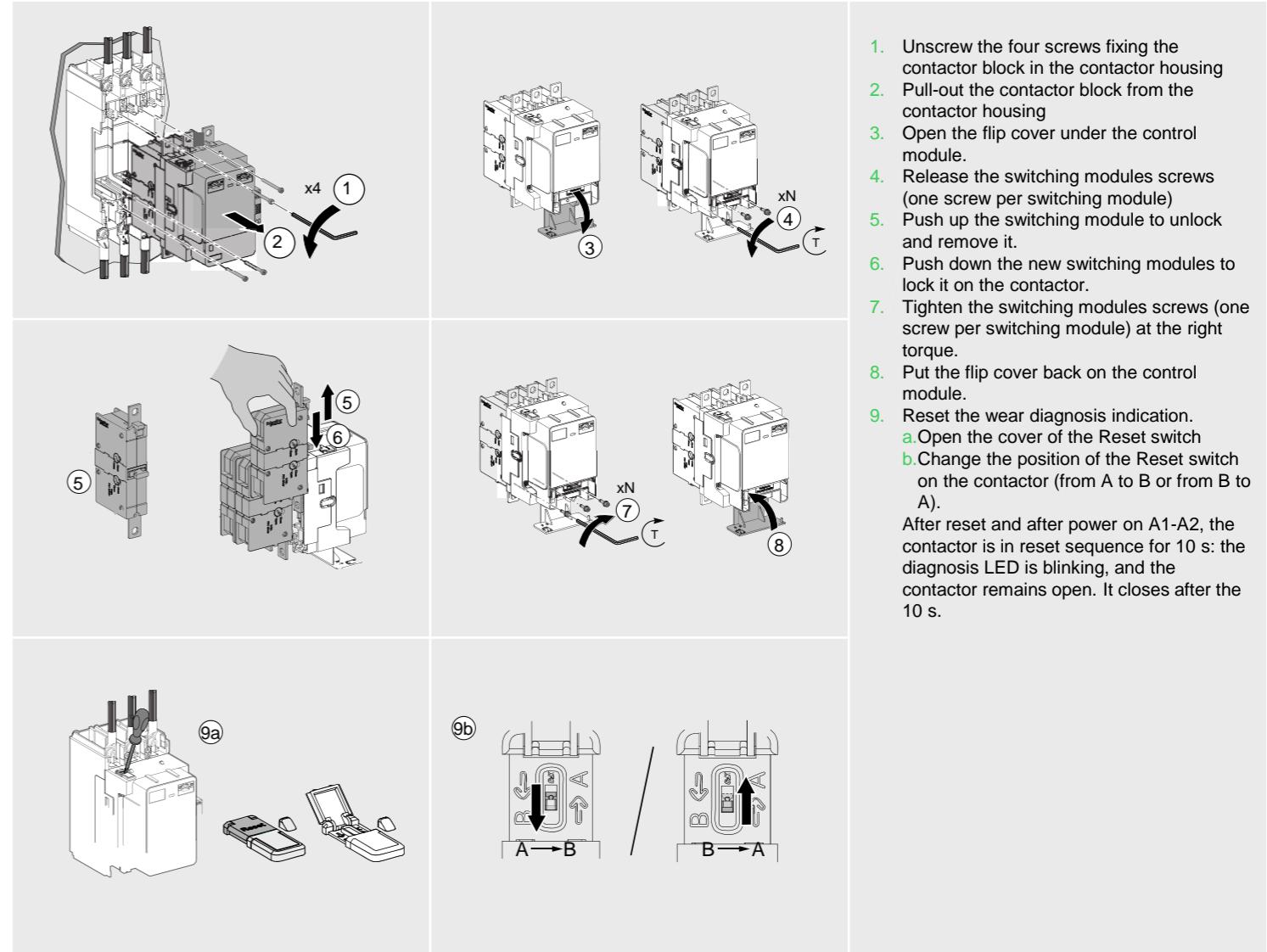
The contactor poles are designed as replaceable switching modules. The switching modules must be replaced when the contact wear diagnosis function has detected that the contacts are worn. When the contacts are worn, all switching modules must be replaced together. The switching modules are compatible with advanced and standard contactors. The table below provides the commercial references of the switching modules:

Switching module		
Contactor	Set of 3 switching modules for 3P contactor	Set of 4 switching modules for 4P contactors
LC1G115-225	LA9G3QA	LA9G4QA
LC1G265-330	LA9G3RA	LA9G4RA
LC1G400-500	LA9G3SA	LA9G4SA
LC1G630-800	LA9G3TA	LA9G4TA



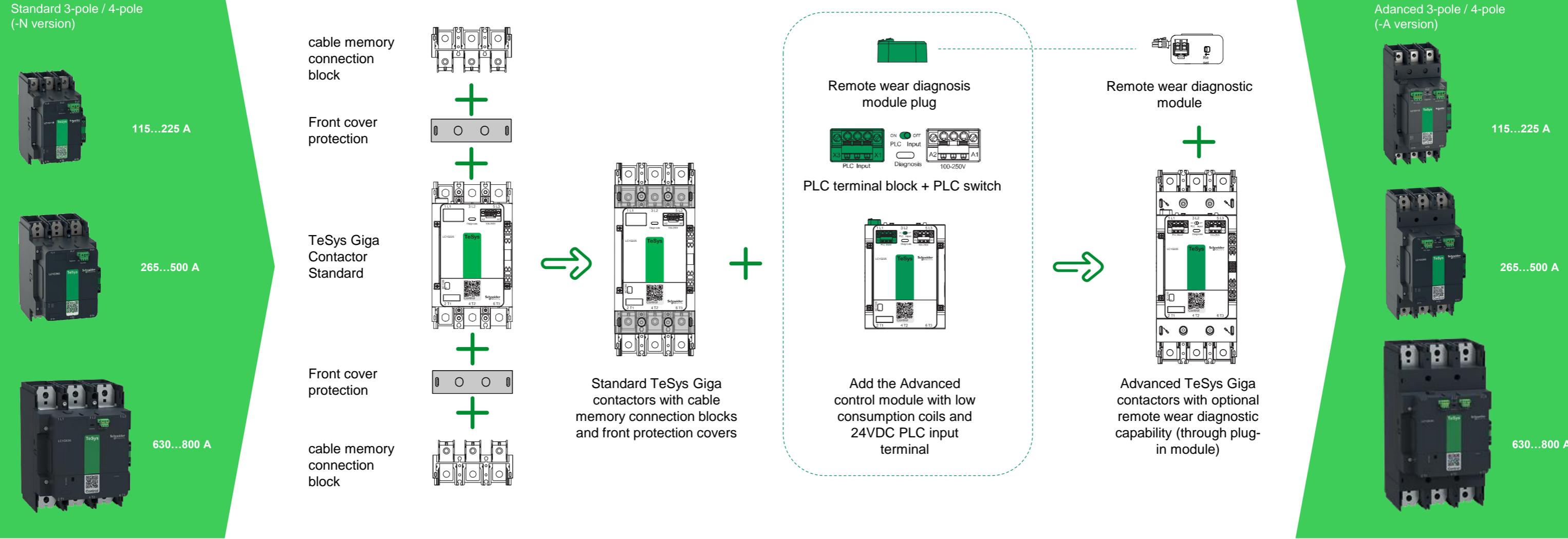
TeSys Giga Switching Module Replacement

The switching modules of advanced contactors or standard contactors [with cable memory](#) can be replaced without power disconnection or control wires disconnection. For the later, simply remove the control terminal blocks at the front and the auxiliary contact modules on the side. Unscrew the four screws fixing the contactor block in the contactor housing and then pull-out the contactor block from the contactor housing.



After reset and after power on A1-A2, the contactor is in reset sequence for 10 s: the diagnosis LED is blinking, and the contactor remains open. It closes after the 10 s.

What is the formula to make a TeSys Giga Standard becomes a TeSys Giga Advanced

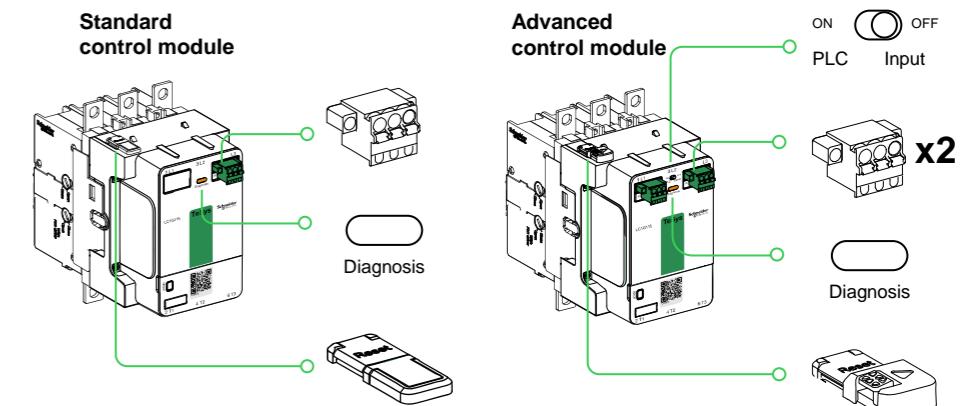


How to differentiate the standard and advanced version?

Standard / Advanced contactor comparison table			
Category	Features	Standard 3-pole (-N version)	Advanced 3-pole (-A version)
Power & control	3 or 4 power poles	yes	yes
	115 to 800 A (AC-3)	yes	yes
	250 to 1050 A (AC-I)	yes	yes
	Embedded 1 NO + 1 NC auxiliary contacts	yes	yes
	Push-in-type terminals for coils & control	yes	yes
Remote control	Coil control voltage ranges	48-130 V, 100-250 V AC/DC coils	24-48 V(1), 48-130 V, 200-500 V AC/DC coils
	Low consumption coils	No (2)	yes
	Wide voltage range coils (direct coil control)	yes	yes
	Digital control input (PLC output digital coil control)	no	yes
	Embedded surge suppressor	yes	yes
Diagnostic	Embedded wear diagnostic	yes	yes
	Embedded control voltages diagnostic	yes	yes
	Self diagnosis function	yes	yes
	Local alarm signaling (LED)	yes	yes
	Remote wear diagnostic signaling kit (accessory)	no	yes
Mounting	'Cable memory' adapter enables maintenance without removing power cables and busbar connections.	Optional (Accessory to be ordered separately)	Default (Pre-installed / Factory-mounted)
Standards and Certifications	Multiple standards International certifications	yes	yes

(1) 24...48 VAC/DC control voltage option is available for LCIG115...LCIG500 ratings.

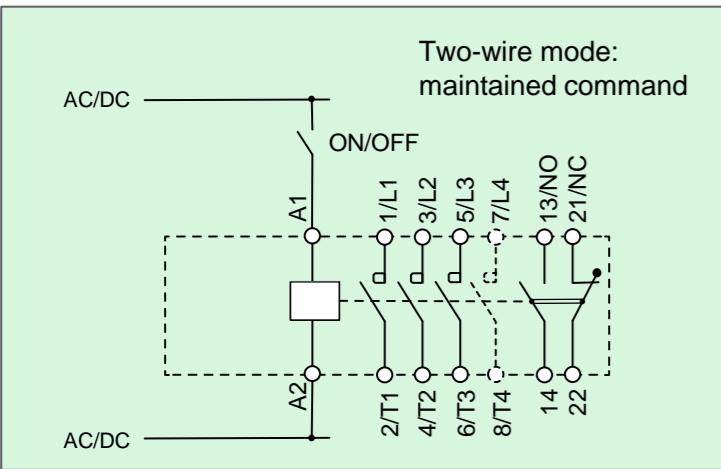
(2) Standard range has also low consumption coil compared to TeSys F. Advanced range has even lower consumption than Standard range.



Standard / Advanced control module comparison table		
Version with Coil control voltage ranges	Standard Control module	Advanced control module
Front face	# of control terminal	48-130, 100-250 VAC/VDC
	Diagnosis led	1 (A1-A2 terminals)
Top face	ON/OFF PLC input switch	no
	Reset switch	yes
	RWD module plug (closed by a cap)	yes

Control via traditional coil terminals A1-A2

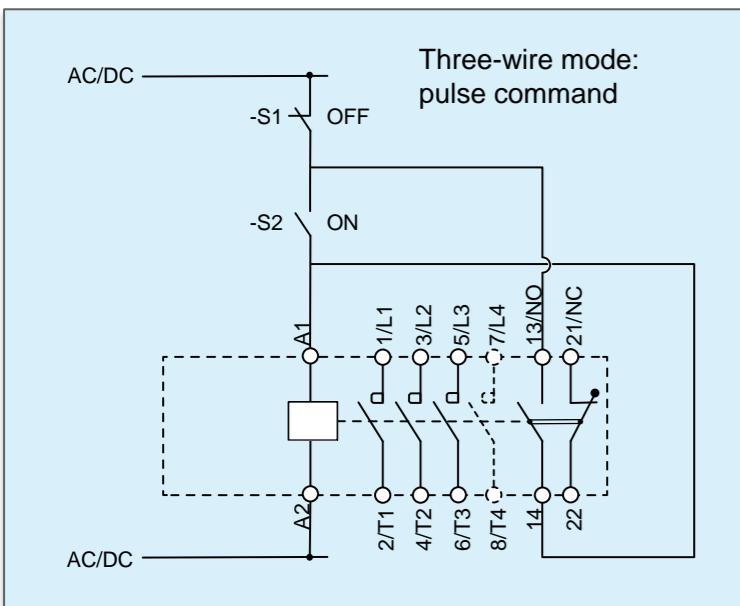
TeSys Giga standard versions only offer control by traditional coil terminals A1-A2



Two-wire mode: maintained command
Coil voltage supply and control signal are the same signal and use just one channel connected to A1-A2 control module terminals. The poles are closed as soon as the control voltage is supplied to A1-A2 control module terminals. The poles are open as soon as the control voltage is removed from A1-A2 control module terminals.

Depending on the control circuit wiring diagram, the control mode has two types:

- Maintained type (two-wire mode)
- Pulse type (three-wire mode)

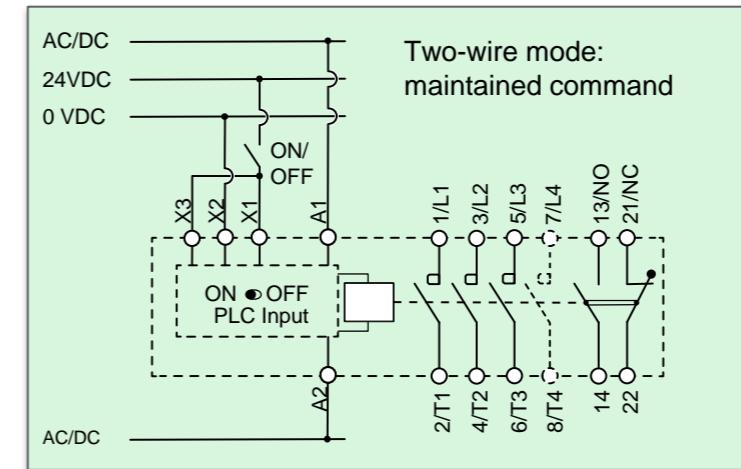


Two-wire mode: The command is maintained type. The poles close and stay closed as soon as the command is ON. The poles open and stay opened as soon as the command is OFF.

Three-wire mode: The commands are pulse type. The use of one NO auxiliary contact and two command components are necessary. The poles close as soon as there is a pulse command ON. The poles stay closed up to a pulse command OFF.

Control via traditional coil terminals A1-A2 or Direct control via 24VDC PLC input terminals

TeSys Giga advanced versions offer more flexibility with a direct control either by traditional coil terminals A1-A2 or by PLC 24VDC input terminals without the need for intermediate relays



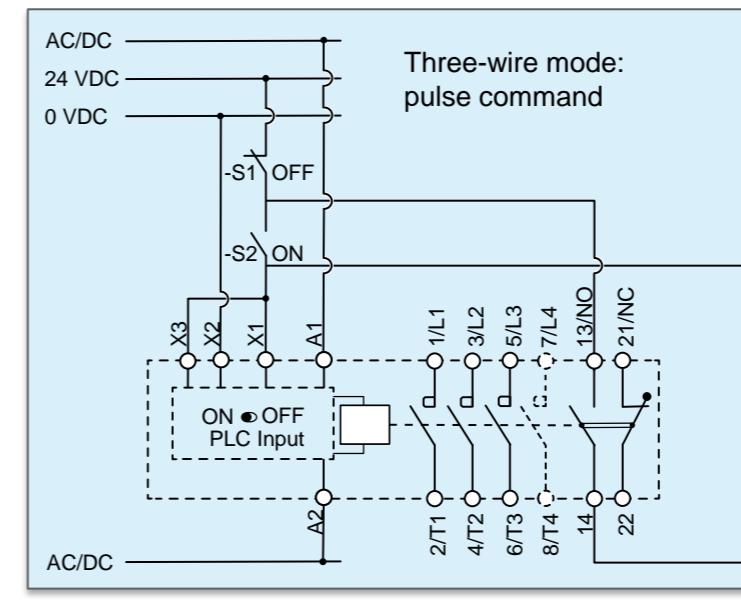
A1-A2 control module terminals are used to supply the electronics and the coil of the control module.

X1-X2-X3 control module terminals are used to close and open the contactor through 24 Vdc control orders.

The poles are closed as soon as the control voltage is supplied to A1-A2 control module terminals and the command on X1 and X3 terminals is ON.

The poles are open as soon as the command on X1 and X3 terminals is OFF or if the control voltage is removed from A1-A2 control module terminals.

Depending on the control circuit wiring diagram, the control mode can be two-wire mode or three-wire mode.



Remark: With PLC input switch on the position OFF, the advanced contactor is controlled in the same way as a standard contactor (see previous slide).

A1-A2 control module terminals are used to control the advanced contactor. The control modes and the control wiring are the same as a standard contactor.

X1-X2-X3 control module terminals are not used and do not need to be wired.

**Standard 3-pole
(-N version)**



**Advanced 3-pole
(-A version)**



End of availability TeSys F Contactors

The phase-out concerns the TeSys F contactors in the ratings from 115A to 800A AC3

Are **not** concerned by the phase-out:

- TeSys F contactors LC1F780 and LC1F1000A AC3
- TeSys F contactors LC1SF1200...LC1F2600A AC1

Those contactors will continue to be available in the portfolio

The EOC date (End of Commercialization) and EOS date (End of Service) for the relevant TeSys F contactors has been set at [November 30, 2023](#). The relevant TeSys F contactors will no longer be delivered by us after this date. For a complete overview of TeSys F contactors to be phased out, see to the table overview below.



Replacement TeSys F contactors with TeSys Giga

The new TeSys Giga replaces the complete range of TeSys F AC3 contactors from 115A to 800A with the rating exception: 780A and 1000A AC3. The TeSys F AC1 range LC1SF1200...LC1F2600A remains unchanged.



TeSys F Contactor type	LC1F115	LC1F150	LC1F185	LC1F225	LC1F265	LC1F300	LC1F400	LC1F500	LC1F630	LC1F800	LC1F780	LC1F1000	LC1SF1200	LC1F1250	LC1F1400	LC1F1700	LC1F2100	LC1F2600
Rated operational current, Ie AC3≤440V AC	115A	150A	185A	225A	265A	330A	400A	500A	630A	800A	780A	1000A		-	-	-	-	-
Rated operational current, Ie AC1≤440V AC	200A	250A	275A	315A	350A	400A	500A	700A	1000A	1000A	1600A	1250A	1000A	1260A	1400A	1700A	2100A	2600A
Rated operational voltage, Ue up to																		
Number of poles	3 & 4				2, 3 & 4				3	3 & 4				3				
Frequency limits, Hz of operational current	16 2/3...200 Hz																	
AC Rated control circuit voltage, Uc	24...1000V				48...1000V				110...400V	110...500V	110...500V	100...250V	110...600V	110...500V				
DC Rated control circuit voltage, Uc	24...460V				48...440V				110...400V	110...440V	110...440V	100...380A	48...250V	110...440V				
Width (mm) 3P contactor	163,5	168,5	201,5	213	233	309	702	438	233	309	438	438	519					



TeSys Giga Contactor type	LC1G115	LC1G150	LC1G185	LC1G225	LC1G265	LC1G330	LC1G400	LC1G500	LC1G630	LC1G800
Rated operational current, Ie AC3≤440V AC	115A	150A	185A	225A	265A	330A	400A	500A	630A	800A
Rated operational current, Ie AC1≤440V AC	250A	275A	305A	330A	385A	440A	550A	700A	1050A	1050A
Rated operational voltage, Ue up to										
Number of poles	Up to 1000V (1)				3 & 4					
Frequency limits, Hz of operational current	16 2/3...400 Hz									
Advanced AC/DC Rated control circuit voltage, Uc	24-48V, 48-130V, 200-500V				48-130V, 200-500V					
Standard AC/DC Rated control circuit voltage, Uc	48-130V, 100-250V									
Width (mm) 3P contactor	108				140				210	

(1)Ue ≤ 1000 V for AC-1, 1000 V for AC-3/AC-3e/ AC-4 for LC1G225...800 except for 690 V for AC-3/AC-3e/ AC-4 for LC1G115

Newly available TeSys Giga Contactors

The new replacement product line TeSys Giga contactors is already available and is functionally replaceable one-to-one. For additional information and/or conversion from TeSys F contactors to TeSys Giga contactors, you can consult the conversion list as enclosed in the end of the document or contact the Schneider Electric customer care department by telephone on 088 00 30 750. In addition, via the Schneider Electric website and mySchneider has several tools available to help you select the right TeSys Giga contactor and replace existing TeSys F contactors with TeSys Giga contactors:

- **Product substitution tool** ([LINK](#)): Find an alternative to Schneider Electric products that have been discontinued
- **Product selector** ([LINK](#)): Easily find and select the products you need
- **EcoStruxure Motor Control Configurator** ([LINK](#)): Build your complete motor control solution for protecting and controlling your motors in three easy steps
- **TeSys catalog 2022** ([LINK](#)): innovative and connected solutions for motor starters



Not Substituted by TeSys Giga

Contactors:
LC1F780 & LC1F1000A AC3
LC1SF1200...LC1F2600A AC1
CR1F latching range
LC1FG shock-proof range

Over-load relays:
LR9D53.../55..

Replacement TeSys F overload relays with
TeSys Giga



TeSys F OLR LR9F	TeSys Giga OLR LR9G
Class 10/20	Class 10 (*=3) Class 20 (*=5)
Thermal Protection Adjustment range	Thermal Protection Adjustment range
LR9F57	LR9F5•57
LR9F63	48...80 A
LR9F67	60...100 A
LR9F69	90...150 A
LR9F71	132...220 A
LR9F75	200...330 A
LR9F79	300...500 A
LR9F81	380...630 A
	Class 5E...30E
	Thermal Protection Adjustment range
LR9G115	28...115 A
LR9G225	57...225 A
LR9G500	125...500 A
LR9G630	160...630 A

TeSys F commercial references



Very high power handling and long-lasting contactors, 3 or 4 poles, from 115 to 1 000 A AC-3, 200 to 2600 A AC-1

LC1F630
630 A AC-3, 3 poles

2, 3 and 4 NO pole TeSys F contactors



AC3 ⁽¹⁾ rating (up to 440 V)	AC1 rating (≤1000 V)	TeSys F		
		2 poles	3 poles	4 poles
115A	200A	LC1F115..	LC1F1154..	
150A	250A	LC1F150..	LC1F1504..	
185A	275A	LC1F185..	LC1F1854..	
225A	315A	LC1F225..	LC1F2254..	
265A	350A	LC1F265..	LC1F2654..	
330A	400A	LC1F330..	LC1F3304..	
400A	500A	LC1F4002..	LC1F400..	LC1F4004..
500A	700A	LC1F5002..	LC1F500..	LC1F5004..
630A	1000A	LC1F6302..	LC1F630..	LC1F6304..
780A	1600A	LC1F780..	LC1F7804..	
800A	1000A	LC1F800..		
1000A	1250A	LC1F1000..		
1200A		LC1SF1200.. ⁽²⁾		
1260A		LC1F1250..		
1400A		LC1F1400..		
1700A		LC1F1700..		
2100A		LC1F2100..		
2600A		LC1F2600..		

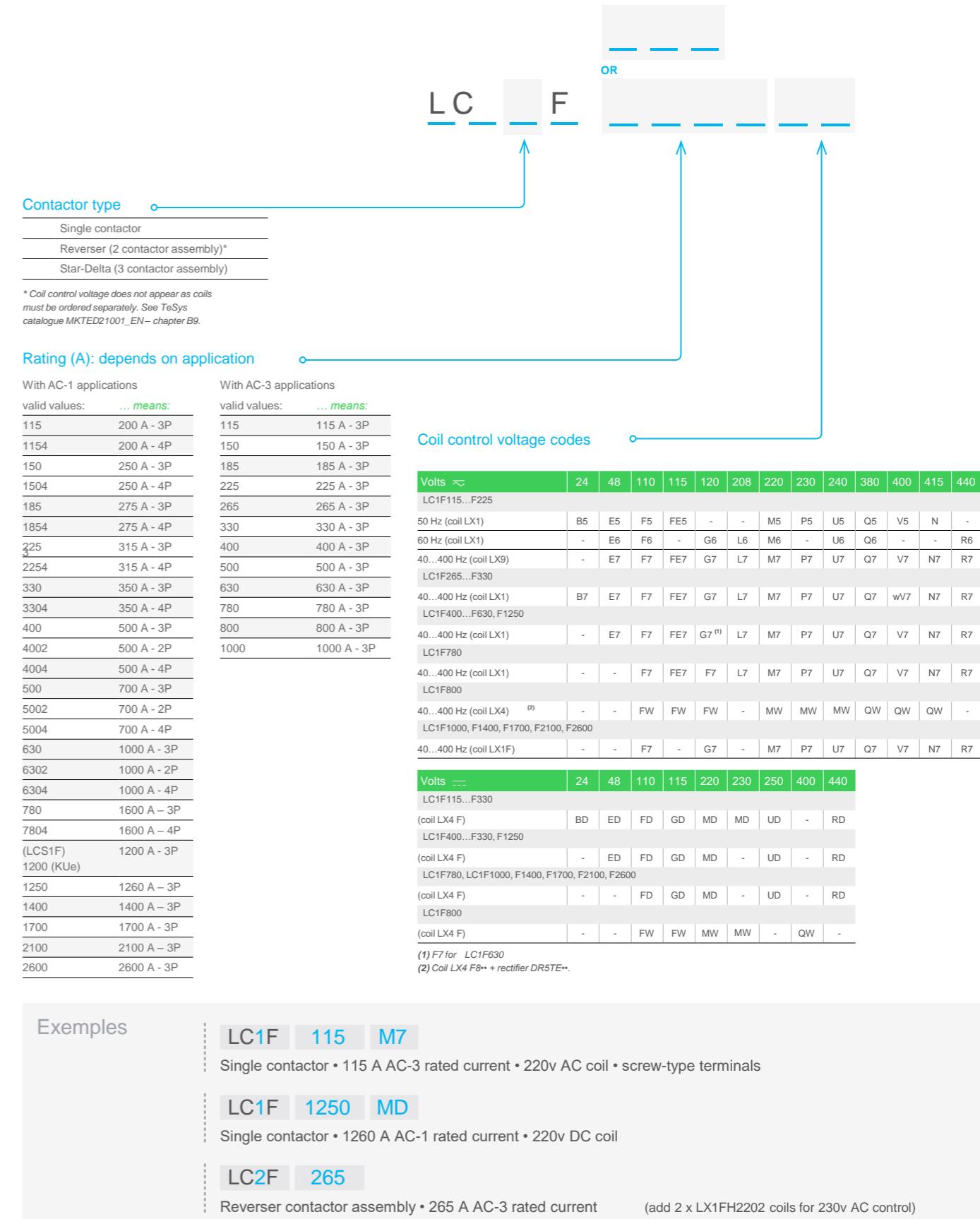
Coil voltage: replace 2 dots at end of commercial references by voltage code (P7 = 230 V 50-60 Hz; other codes, see next pages)

(1) AC3 rating is defined for 3P contactors only

(2) ≤ 690 V.

TeSys F Commercial reference coding

> 2, 3, 4 pole contactors for AC-3, AC-1 applications – screw-type terminals



TeSys F Standard Coil - Control Voltage Coil Code

TeSys F contactors offer the possibility to replace the coil from the side. You need to design your application as such you can pull-out the coil from the side in order to perform the replacement when required.

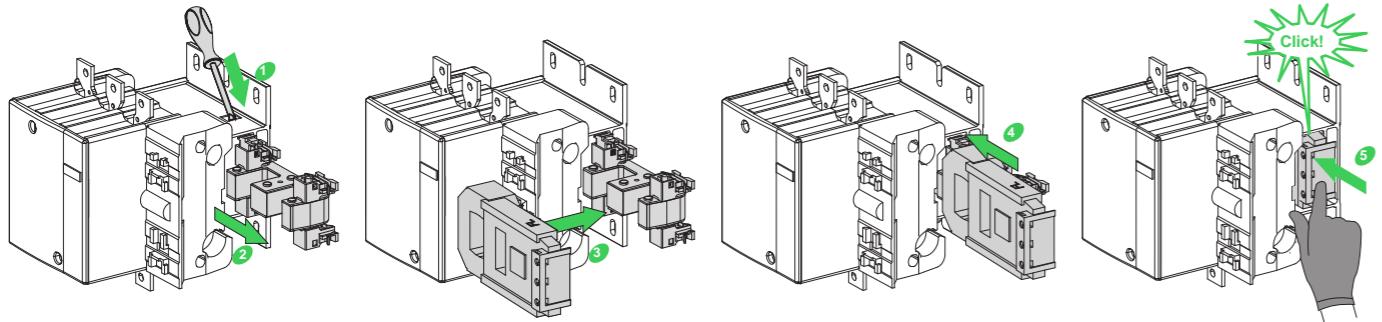


Table 1 - AC Coil control voltage codes

Coil code per voltage control (VAC)																
Coil AC - 40...400Hz	For contactors	24	48	110	115	120	208	220	230	240	380	400	415	440	500	600
Coil LX9F	LC1F115..F225	-	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7	S7	X7
	LC1F265..F330	B7	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7	S7	X7
Coil LX1F	LC1F400..F500,F1250	-	E7	F7	FE7	G7	L7	M7	P7	U7	Q7	V7	N7	R7	X7	
	LC1F630	-	E7	F7	FE7	F7	L7	M7	P7	U7	Q7	V7	N7	R7	X7	
	LC1F780	-	-	F7	FE7	F7	L7	M7	P7	U7	Q7	V7	N7	R7	-	
Coil LX4F (4)	LC1F800	-	-	FW	FW	FW	-	MW	MW	MW	QW	QW	QW	-	-	
	LC1F1000,F1400,F1700,F2100	-	-	F7	-	G7	-	M7	P7	U7	Q7	V7	N7	R7	-	
Coil LX1F	LC1F2600	-	-	F7	-	G7	-	M7	P7	U7	Q7	V7	N7	R7	-	

(4) Coil LX4F8** + rectifier DR5TE**

Table 2 - DC Coil control voltage codes

Coil code per voltage control (VDC)													
Coil DC	For contactors	24	48	110	125	220	230	250	400	440	480	500	600
	LC1F115..F330	BD	ED	FD	GD	MD	MD	UD	-	RD	-	-	-
	LC1F400..F630,F1250	-	ED	FD	GD	MD	-	UD	-	RD	-	-	-
Coil LX4F	LC1F780,LC1F1000,F1400,F1700,F2100,LC1F2600	-	-	FD	GD	MD	-	UD	-	RD	-	-	-
	LC1F800	-	-	FW	FW	MW	MW	-	QW	-	-	-	-

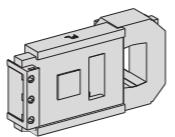


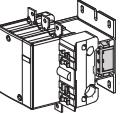
Table 3 - AC Coil Reference – AC Voltage control

Coil reference per voltage control (VAC)																
Coil AC - 40...400Hz	For contactors	24	48	110	115	120	208	220	230	240	380	400	415	440	500	600
Coil LX9F	LC1F115..F150	LX9FF024	LX9FF048	LX9FF110	LX9FF110	LX9FF127	LX1FF162	LX9FF220	LX9FF220	LX9FF240	LX9FF380	LX9FF380	LX9FF415	LX9FF415	LX9FF500	LX9FF600
	LC1F185..F225	LX9FG024	LX9FG048	LX9FG110	LX9FG110	LX9FG127	LX1FG162	LX9FG220	LX9FG220	LX9FG240	LX9FG380	LX9FG380	LX9FG415	LX9FG415	LX9FG500	LX9FG600
	LC1F265..F330	LC1FH0242	LC1FH0482	LC1FH1102	LC1FH1102	LC1FH1272	LC1FH2002	LC1FH2202	LC1FH2202	LC1FH2402	LC1FH3802	LC1FH3802	LC1FH402	LC1FH5002	LC1FH6002	-
Coil LX1F	LC1F400	-	LX1FJ048	LX1FJ110	LX1FJ110	LX1FJ127	LX1FJ200	LX1FJ220	LX1FJ220	LX1FJ240	LX1FJ380	LX1FJ380	LX1FJ415	LX1FJ415	-	LX1FJ500
	LC1F500	-	LX1FK048	LX1FK110	LX1FK110	LX1FK127	LX1FK200	LX1FK220	LX1FK220	LX1FK240	LX1FK380	LX1FK380	LX1FK415	LX1FK415	-	LX1FK500
	LC1F630	-	LX1FL048	LX1FL110	LX1FL110	LX1FL127	LX1FL200	LX1FL220	LX1FL220	LX1FX220	LX1FX380	LX1FX380	LX1FL415	LX1FL415	-	LX1FL500
Coil LX4F (4)	LC1F780	-	-	LX1FX110	LX1FX110	-	-	LX1FX220	LX1FX220	LX1FX380	LX1FX380	LX1FX415	LX1FX415	-	-	
Coil LX1F	LC1F800	-	-	LX4F8FW	LX4F8FW	-	-	LX4F8MW	LX4F8MW	LX4F8MW	LX4F8QW	LX4F8QW	LX4F8QW	-	-	
	LC1SF1200	-	-	-	-	-	-	LX1FK220	-	-	-	-	-	-	-	
	LC1F1250	-	-	LX1FL110	LX1FL110	LX1FL127	LX1FL200	LX1FL220	LX1FL220	LX1FL240	LX1FL380	LX1FL380	LX1FL415	LX1FL415	-	LX1FL500
	LC1F1000	-	-	LX1FK055	-	LX1FK065	-	LX1FK110	LX1FK110	LX1FK127	LX1FK200	LX1FK200	LX1FK220	LX1FK220	LX1FK240	-
	LC1F1400, F1700,F2100	-	-	LX1FK065	-	LX1FK070	-	LX1FK110	LX1FK110	LX1FK127	LX1FK200	LX1FK200	LX1FK220	LX1FK220	LX1FK240	-
	LC1F2600	-	-	LX1FK065	-	LX1FK070	-	LX1FL110	LX1FL110	LX1FK127	LX1FL200	LX1FL200	LX1FL220	LX1FL220	LX1FL240	-

(4) Coil LX4F8** + rectifier DR5TE**

Table 4 - DC Coil Reference – AC Voltage control

Coil reference per voltage control (VDC)													
Coil DC	For contactors	24	48	110	125	220	230	250	400	440	480	500	600
	LC1F115..F150	LX4FF024	LX4FF048	LX4FF110	LX4FF110	LX4FF125	LX4FF220	LX4FF220	LX4FF250	-	LX4F440	-	-
	LC1F185..F225	LX4FG024	LX4FG048	LX4FG110	LX4FG110	LX4FG125	LX4FG220	LX4FG220	LX4FG250	-	LX4FG440	-	-
	LC1F265..F330	LX4FH024	LX4FH048	LX4FH110	LX4FH110	LX4FH125	LX4FH220	LX4FH220	LX4FH250	-	LX4FH440	-	-
Coil LX4F	LC1F400	-	LX4FJ048	LX4FJ110	LX4FJ110	LX4FJ125	LX4FJ220	-	LX4FJ250	-	LX4FJ440	-	-
	LC1F500	-	LX4FK048	LX4FK110	LX4FK110	LX4FK125	LX4FK220	-	LX4FK250	-	LX4FK440	-	-
	LC1F630	-	LX4FL048	LX4FL110	LX4FL110	LX4FL125	LX4FL220	-	LX4FL250	-	LX4FL440	-	-
Coil LX1F	LC1F780	-	LX4FL048	LX4FL110	LX4FL125	LX4FL220	-	LX4FL250	-	LX4FL440	-	-	-
	LC1F800	-	-	LX4F8FW	LX4F8FW	LX4F8FW	LX4F8MW	LX4F8MW	-	LX4F8QW	-	-	-
	LC1SF1200	-	-	LX4FK110	-	LX4FK220	-	-	-	-	-	-	-
	LC1F1250	-	LX4FL048	LX4FL110	LX4FL125	LX4FL220	-	LX4FL250	-	LX4FL440	-	-	-
	LC1F1000,LC												



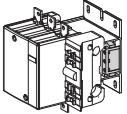
Conversion tables LC1F 3 pole rating 115 A to 330A

TeSys F to TeSys Giga conversion table

Family	Pole	Rating	AC/DC	Contactor CR	Coil Code	Coil Voltage	Coil reference	Rectifier for (LC1F800) or ECM (LX9)	Std CR	Std Coil Code	Std Coil Voltage	Adv CR	Adv Coil Code	Adv Coil Voltage	
LC1F	2	500	AC	LC1F5002M7	M7	220 VAC	LX1FK220	LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
	3	115	AC	LC1F115B5	B5	24 VAC	LX9FF024	NA	NA	NA	LC1G115BEEA	BEEA	24 - 48 VAC/DC		
				LC1F115B6	B6	24 VAC	LX9FF024	NA	NA	NA	LC1G115BEEA	BEEA	24 - 48 VAC/DC		
				LC1F115B7	B7	24 VAC	LX9FF024	NA	NA	NA	LC1G115BEEA	BEEA	24 - 48 VAC/DC		
				LC1F115E7	E7	48 VAC	LX9FF048	LC1G115EHEN	EHEN	48 - 130 VAC/DC	LC1G115EHEA	EHEA	48 - 130 VAC/DC		
				LC1F115F7	F7	110 VAC	LX9FF110	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115EHEA	EHEA	48 - 130 VAC/DC		
				LC1F115G7	G7	120 VAC	LX9FF127	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115EHEA	EHEA	48 - 130 VAC/DC		
				LC1F115L7	L7	208 VAC	LX1FF162	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115M7	M7	220 VAC	LX9FF220	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115N7	N7	415 VAC	LX9FF415	NA	NA	NA	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115P5	P5	230 VAC	LX9FF220	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115P7	P7	230 VAC	LX9FF220	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115Q5	Q5	380 VAC	LX9FF380	NA	NA	NA	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115Q7	Q7	380 VAC	LX9FF380	NA	NA	NA	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115R7	R7	440 VAC	LX9FF415	NA	NA	NA	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115S7	S7	500 VAC	LX9FF500	NA	NA	NA	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115U7	U7	240 VAC	LX9FF240	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115V7	V7	400 VAC	LX9FF380	NA	NA	NA	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
				LC1F115X7	X7	600 VAC	LX9FF600	NA	NA	NA	NA	NA	NA		
AC/DC				LC1F115KUE	KUE	100...250 VAC / 100...380 VDC	LXEFG250	LA4EM250FF	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC	
DC				LC1F115BD	BD	24 VDC	LX4FF024	NA	NA	NA	LC1G115BEEA	BEEA	24 - 48 VAC/DC		
				LC1F115ED	ED	48 VDC	LX4FF048	LC1G115EHEN	EHEN	48 - 130 VAC/DC	LC1G115EHEA	EHEA	48 - 130 VAC/DC		
				LC1F115MD	MD	220 VDC	LX4FF220	LC1G115KUEN	KUEN	100 - 250 VAC/DC	LC1G115LSEA	LSEA	200 - 500 VAC/DC		
150	AC			LC1F150B5	B5	24 VAC	LX9FF024	NA	NA	NA	LC1G150BEEA	BEEA	24 - 48 VAC/DC		
				LC1F150B6	B6	24 VAC	LX9FF024	NA	NA	NA	LC1G150BEEA	BEEA	24 - 48 VAC/DC		
				LC1F150B7	B7	24 VAC	LX9FF024	NA	NA	NA	LC1G150BEEA	BEEA	24 - 48 VAC/DC		
				LC1F150E7	E7	48 VAC	LX9FF048	LC1G150EHEN	EHEN	48 - 130 VAC/DC	LC1G150EHEA	EHEA	48 - 130 VAC/DC		
				LC1F150F7	F7	110 VAC	LX9FF110	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150EHEA	EHEA	48 - 130 VAC/DC		
				LC1F150G7	G7	120 VAC	LX9FF127	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150EHEA	EHEA	48 - 130 VAC/DC		
				LC1F150L7	L7	208 VAC	LX1FF162	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150M7	M7	220 VAC	LX9FF220	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150N7	N7	415 VAC	LX9FF415	NA	NA	NA	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150P5	P5	230 VAC	LX9FF220	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150P7	P7	230 VAC	LX9FF220	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150Q7	Q7	380 VAC	LX9FF380	NA	NA	NA	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150R7	R7	440 VAC	LX9FF415	NA	NA	NA	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150S7	S7	500 VAC	LX9FF500	NA	NA	NA	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150U7	U7	240 VAC	LX9FF240	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150V7	V7	400 VAC	LX9FF380	NA	NA	NA	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F150X7	X7	600 VAC	LX9FF600	NA	NA	NA	NA	NA	NA		
AC/DC				LC1F150KUE	KUE	100...250 VAC / 100...380 VDC	LXEFG250	LA4EM250FF	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC	
DC				LC1F150BD	BD	24 VDC	LX4FF024	NA	NA	NA	LC1G150BEEA	BEEA	24 - 48 VAC/DC		
				LC1F150ED	ED	48 VDC	LX4FF048	LC1G150EHEN	EHEN	48 - 130 VAC/DC	LC1G150EHEA	EHEA	48 - 130 VAC/DC		
				LC1F150FD	FD	110 VDC	LX4FF110	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150EHEA	EHEA	48 - 130 VAC/DC		
185	AC			LC1F150MD	MD	220 VDC	LX4FF220	LC1G150KUEN	KUEN	100 - 250 VAC/DC	LC1G150LSEA	LSEA	200 - 500 VAC/DC		
				LC1F185B5	B5	24 VAC	LX9FG024	NA	NA	NA	LC1G185BEEA	BEEA	24 - 48 VAC/DC		
				LC1F185B7	B7	24 VAC	LX9FG024	NA	NA	NA	LC1G185BEEA	BEEA	24 - 48 VAC/DC		
				LC1F185E7	E7	48 VAC	LX9FG048	LC1G185EHEN	EHEN	48 - 130 VAC/DC	LC1G185EHEA	EHEA	48 - 130 VAC/DC		
				LC1F185F7	F7	110 VAC	LX9FG110	LC1G185KUEN	KUEN	100 - 250 VAC/DC	LC1G185EHEA	EHEA	48 - 130 VAC/DC		
				LC1F185FE7	FE7	115 VAC	LX9FG110	LC1G185KUEN	KUEN	100 - 250 VAC/DC	LC1G185EHEA	EHEA	48 - 130 VAC/DC		
				LC1F185G7	G7	120 VAC	LX9FG127	LC1G185KUEN	KUEN	100 - 250 VAC/DC	LC1G185EHEA	EHEA	48 - 130 VAC/DC		
				LC1F185L7	L7	208 VAC	LX1FG162	LC1G185KUEN	KUEN	100 - 250 VAC/DC	LC1G185LSEA	LSEA	200 - 500 VAC/DC		
				LC1F185M7	M7	220 VAC	LX9FG220	LC1G185KUEN	KUEN	100 - 250 VAC/DC	LC1G185LSEA	LSEA	200 - 500 VAC/DC		
				LC1F185N7	N7	415 VAC	LX9FG415	NA	NA	NA	LC1G185LSEA	LSEA	200 - 500 VAC/DC		
				LC1F185P7	P7	230 VAC	LX9FG220	LC1G185KUEN	KUEN	100 - 250 VAC/DC	LC1G185LSEA	LSEA	2		

Conversion tables LC1F 3P rating from 400 A to 800A and 4P rating 115 to 630A

Contactor
with coil



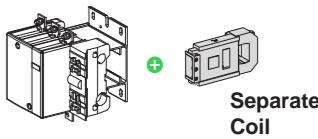
TeSys F to TeSys Giga conversion table

Family	Pole	Rating	AC/DC	Contactor CR	Coil Code	Coil Voltage	Coil reference	Rectifier for (LC1F800) or ECM (LX9)	Std CR	Std Coil Code	Std Coil Voltage	Adv CR	Adv Coil Code	Adv Coil Voltage		
LC1F	3	400	AC	LC1F400E7	E7	48 VAC	LX1FJ048	LC1G400EHEN	EHEN	48 - 130 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC			
				LC1F400F7	F7	110 VAC	LX1FJ110	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC			
				LC1F400FE7	FE7	115 VAC	LX1FJ110	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC			
				LC1F400G7	G7	120 VAC	LX1FJ127	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC			
				LC1F400L7	L7	208 VAC	LX1FJ200	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400M7	M7	220 VAC	LX1FJ220	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400N7	N7	415 VAC	LX1FJ415	NA	NA	NA	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400P7	P7	230 VAC	LX1FJ220	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400Q7	Q7	380 VAC	LX1FJ380	NA	NA	NA	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400R7	R7	440 VAC	LX1FJ415	NA	NA	NA	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400U7	U7	240 VAC	LX1FJ240	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400V7	V7	400 VAC	LX1FJ380	NA	NA	NA	LC1G400LSEA	LSEA	200 - 500 VAC/DC			
				LC1F400X7	X7	600 VAC	LX1FJ500	NA	NA	NA	NA	NA	NA			
AC/DC				LC1F400KUE	KUE	100...250 VAC / 100...380 VDC	LXEFJ250	LA4EM250FJ	LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400LSEA	LSEA	200 - 500 VAC/DC		
DC				LC1F400ED	ED	48 VDC	LX4FJ048		LC1G400EHEN	EHEN	48 - 130 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC		
				LC1F400FD	FD	110 VDC	LX4FJ110		LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC		
				LC1F400GD	GD	125 VDC	LX4FJ125		LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400EHEA	EHEA	48 - 130 VAC/DC		
				LC1F400MD	MD	220 VDC	LX4FJ220		LC1G400KUEN	KUEN	100 - 250 VAC/DC	LC1G400LSEA	LSEA	200 - 500 VAC/DC		
500	AC			LC1F500E7	E7	48 VAC	LX1FK048		LC1G500EHEN	EHEN	48 - 130 VAC/DC	LC1G500EHEA	EHEA	48 - 130 VAC/DC		
				LC1F500F7	F7	110 VAC	LX1FK110		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500EHEA	EHEA	48 - 130 VAC/DC		
				LC1F500FE7	FE7	115 VAC	LX1FK110		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500EHEA	EHEA	48 - 130 VAC/DC		
				LC1F500G7	G7	120 VAC	LX1FK127		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500EHEA	EHEA	48 - 130 VAC/DC		
				LC1F500L7	L7	208 VAC	LX1FK200		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
				LC1F5002M6	M6	220 VAC	LX1FK220		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
				LC1F5007M7	M7	220 VAC	LX1FK220		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
				LC1F500M7	M7	220 VAC	LX1FK220		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
				LC1F500N7	N7	415 VAC	LX1FK415	NA	NA	NA	LC1G500LSEA	LSEA	200 - 500 VAC/DC			
				LC1F500P7	P7	230 VAC	LX1FK220		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
				LC1F500Q7	Q7	380 VAC	LX1FK380	NA	NA	NA	LC1G500LSEA	LSEA	200 - 500 VAC/DC			
				LC1F500R7	R7	440 VAC	LX1FK415	NA	NA	NA	LC1G500LSEA	LSEA	200 - 500 VAC/DC			
				LC1F500U7	U7	240 VAC	LX1FK240		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
				LC1F500V7	V7	400 VAC	LX1FK380	NA	NA	NA	LC1G500LSEA	LSEA	200 - 500 VAC/DC			
AC/DC				LC1F500KUE	KUE	100...250 VAC / 100...380 VDC	LXEFK250	LA4EM250FK	LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
DC				LC1F500ED	ED	48 VDC	LX4FK048		LC1G500EHEN	EHEN	48 - 130 VAC/DC	LC1G500EHEA	EHEA	48 - 130 VAC/DC		
				LC1F500FD	FD	110 VDC	LX4FK110		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500EHEA	EHEA	48 - 130 VAC/DC		
				LC1F500MD	MD	220 VDC	LX4FK220		LC1G500KUEN	KUEN	100 - 250 VAC/DC	LC1G500LSEA	LSEA	200 - 500 VAC/DC		
630	AC			LC1F630E7	E7	48 VAC	LX1FL048		LC1G630EHEN	EHEN	48 - 130 VAC/DC	LC1G630EHEA	EHEA	48 - 130 VAC/DC		
				LC1F630F7	F7	110 VAC	LX1FL110		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630EHEA	EHEA	48 - 130 VAC/DC		
				LC1F630FE7	FE7	115 VAC	LX1FL110		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630EHEA	EHEA	48 - 130 VAC/DC		
				LC1F630G7	G7	120 VAC	LX1FL127		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630EHEA	EHEA	48 - 130 VAC/DC		
				LC1F630L7	L7	208 VAC	LX1FL200		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630LSEA	LSEA	200 - 500 VAC/DC		
				LC1F630M7	M7	220 VAC	LX1FL220		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630LSEA	LSEA	200 - 500 VAC/DC		
				LC1F630N7	N7	415 VAC	LX1FL415	NA	NA	NA	LC1G630LSEA	LSEA	200 - 500 VAC/DC			
				LC1F630P7	P7	230 VAC	LX1FL220		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630LSEA	LSEA	200 - 500 VAC/DC		
				LC1F630Q7	Q7	380 VAC	LX1FL380	NA	NA	NA	LC1G630LSEA	LSEA	200 - 500 VAC/DC			
				LC1F630R7	R7	440 VAC	LX1FL415	NA	NA	NA	LC1G630LSEA	LSEA	200 - 500 VAC/DC			
				LC1F630U7	U7	240 VAC	LX1FL220		LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630LSEA	LSEA	200 - 500 VAC/DC		
				LC1F630V7	V7	400 VAC	LX1FL380	NA	NA	NA	LC1G630LSEA	LSEA	200 - 500 VAC/DC			
				LC1F630W7	W7	48 VAC	LX1FL260	NA	NA	NA	LC1G630LSEA	LSEA	200 - 500 VAC/DC			
				LC1F630X7	X7	600 VAC	LX1FL500	NA	NA	NA	NA	NA	NA			
AC/DC				LC1F630KUE	KUE	100...250 VAC / 100...380 VDC	LXEFK250	LA4EM250FL	LC1G630KUEN	KUEN	100 - 250 VAC/DC	LC1G630LSEA				

Conversion tables LC2F 3P/4P rating 115 A to 630A



Contactor
without
coil



Family	Pole	Rating	AC/DC	Contactor CR	Coil Code	Coil Voltage	Coil reference	Rectifier for (LC1F800) or ECM (LX9)	Std CR		Std Coil Code	Std Coil Voltage	Adv CR		Adv Coil Code	Adv Coil Voltage
									KUEN	LX9FF110			EHEA	48 - 130 VAC/DC		
LC2F	3	115	AC	LC2F115F6	F6	110 VAC	LX9FF110	2*LC1G115KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G115EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F115FE7	FE7	115 VAC	LX9FF110	2*LC1G115KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G115EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F115M6	M6	220 VAC	LX9FF220	2*LC1G115KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G115LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F115M7	M7	220 VAC	LX9FF220	2*LC1G115KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G115LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
	150	AC		LC2F150F6	F6	110 VAC	LX9FF110	2*LC1G150KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G150EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F150M5	M5	220 VAC	LX9FF220	2*LC1G150KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G150LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F150M6	M6	220 VAC	LX9FF220	2*LC1G150KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G150LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F150M7	M7	220 VAC	LX9FF220	2*LC1G150KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G150LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
	185	AC		LC2F150GD	GD	125 VDC	LX4FF125	2*LC1G150KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G150EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F185F7	F7	110 VAC	LX9FG110	2*LC1G185KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G185EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F185G7	G7	120 VAC	LX9FG127	2*LC1G185KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G185EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F185M5	M5	220 VAC	LX9FG220	2*LC1G185KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G185LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
	225	AC		LC2F185M7	M7	220 VAC	LX9FG220	2*LC1G185KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G185LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F185MD	MD	220 VDC	LX4FG220	2*LC1G185KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G185LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F225F6	F6	110 VAC	LX9FG110	2*LC1G225KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G225EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F225M5	M5	220 VAC	LX9FG220	2*LC1G225KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G225LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
	265	AC		LC2F225M6	M6	220 VAC	LX9FG220	2*LC1G225KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G225LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F225M7	M7	220 VAC	LX9FG220	2*LC1G225KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G225LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F265F6	F6	110 VAC	LX1FH1102	2*LC1G265KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G265EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F265M7	M7	220 VAC	LX1FH2202	2*LC1G265KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G265LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
	330	AC		LC2F265MD	MD	220 VDC	LX4FH220	2*LC1G265KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G265LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F265UD	UD	250 VDC	LX4FH250	2*LC1G265KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G265LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F330F7	F7	110 VAC	LX1FH1102	2*LC1G330KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G330EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F330M7	M7	220 VAC	LX1FH2202	2*LC1G330KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G330LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
	400	AC		LC2F400F7	F7	110 VAC	LX1FH110	2*LC1G400KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G400EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F400G7	G7	120 VAC	LX1FJ127	2*LC1G400KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G400EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
				LC2F400M7	M7	220 VAC	LX1FJ220	2*LC1G400KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G400LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F500F7	F7	110 VAC	LX1FK110	2*LC1G500KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G500EHEA+LA9G970	EHEA	48 - 130 VAC/DC			
	500	AC		LC2F500M7	M7	220 VAC	LX1FK220	2*LC1G500KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G500LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F500MD	MD	220 VDC	LX4FK220	2*LC1G500KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G500LSEA+LA9G970	LSEA	200 - 500 VAC/DC			
				LC2F630F7	F7	110 VAC	LX1FL110	2*LC1G630KUEN+LA9G973	KUEN	100 - 250 VAC/DC	2*LC1G630EHEA+LA9G973	EHEA	48 - 130 VAC/DC			
				LC2F630M7	M7	220 VAC	LX1FL220	2*LC1G630KUEN+LA9G973	KUEN	100 - 250 VAC/DC	2*LC1G630LSEA+LA9G973	LSEA	200 - 500 VAC/DC			
	4	185	AC	LC2F630MD	MD	220 VDC	LX4FL220	2*LC1G630KUEN+LA9G973	KUEN	100 - 250 VAC/DC	2*LC1G630LSEA+LA9G973	LSEA	200 - 500 VAC/DC			
				LC2F1854M5	M5	220 VAC	LX9FG220	2*LC1G1854KUEN+LA9G970	KUEN	100 - 250 VAC/DC	2*LC1G1854LSEA+LA9G970	LSEA	200 - 500 VAC/DC			

Check on-line product selector for customer built reversers and change-over assemblies.

TeSys Giga accessories for reverser & changeover assemblies

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

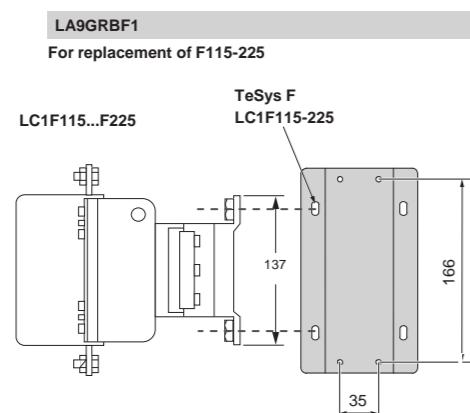
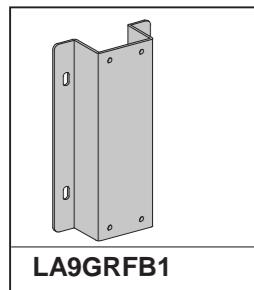
Note: RE17RMMWS timer to be used for Star-Delta starter application.

Reverser connection kits			
Description	Suitable for	Compatible with contactors</	

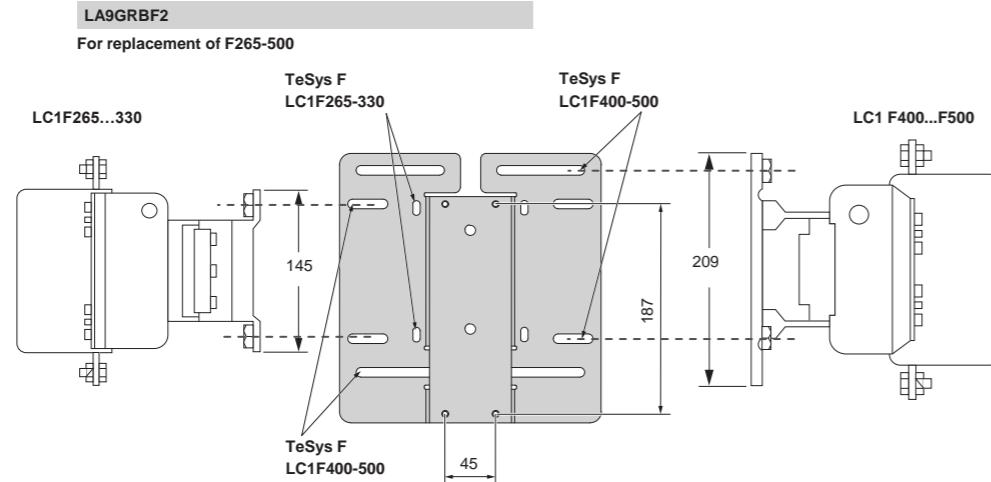
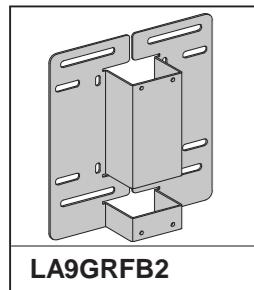
Replace easily TeSys F with TeSys Giga with retrofit plates

Retrofit plates

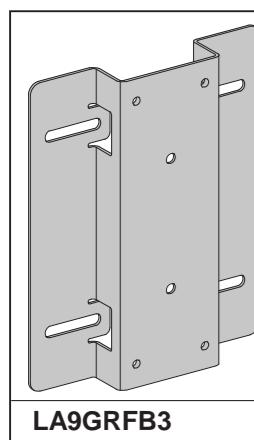
LC1F115-225 replaced by LC1G115-225



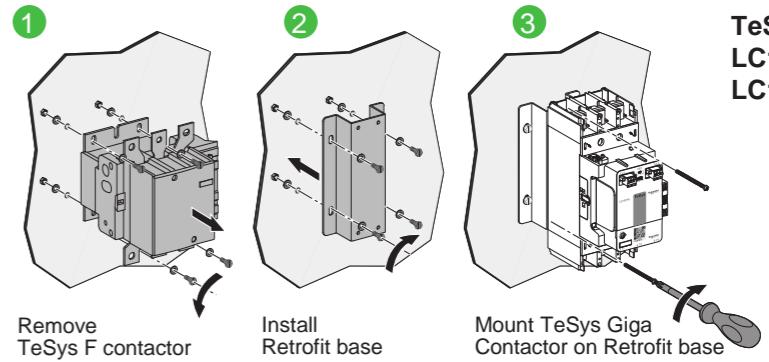
LC1F265-330 replaced by LC1G265-330 and LC1F400-500 replaced by LC1G400-500



LC1F630-800 replaced by LC1G630-800

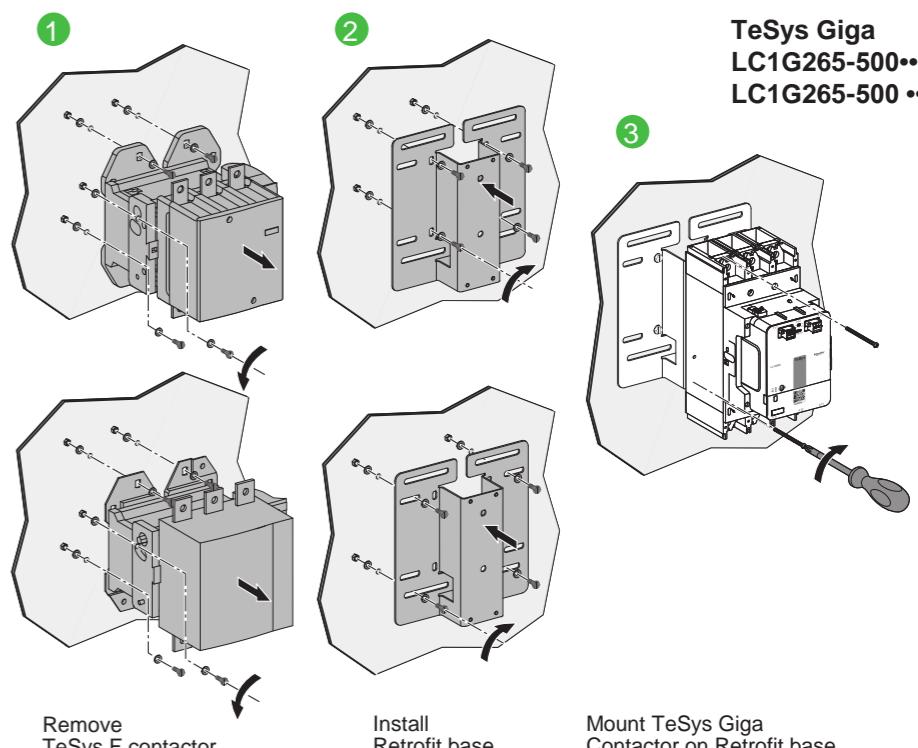


TeSys F:
LC1F115-225



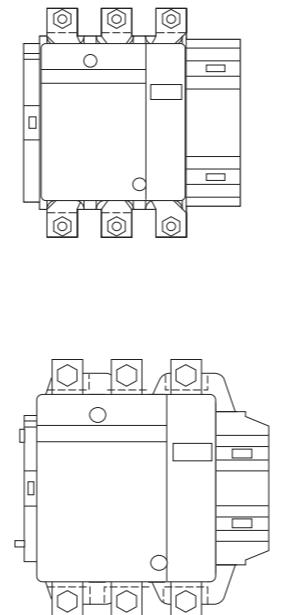
TeSys Giga
LC1G115-225... A
LC1G115-225... N

TeSys F:
LC1F265-330

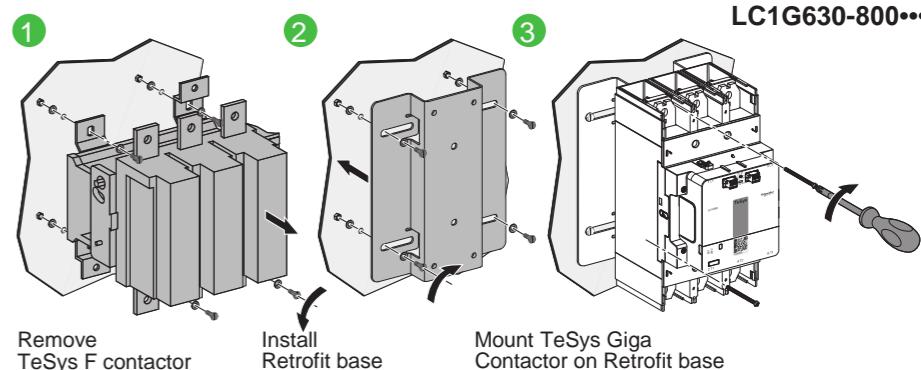
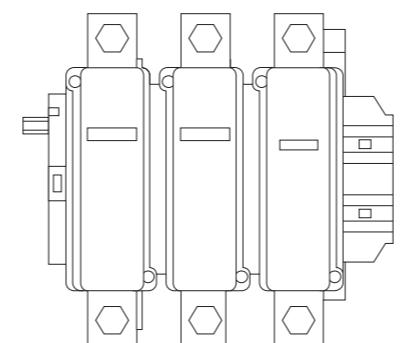


TeSys Giga
LC1G265-500...A
LC1G265-500 ...N

TeSys F:
LC1F400-500



TeSys F:
LC1F630-800



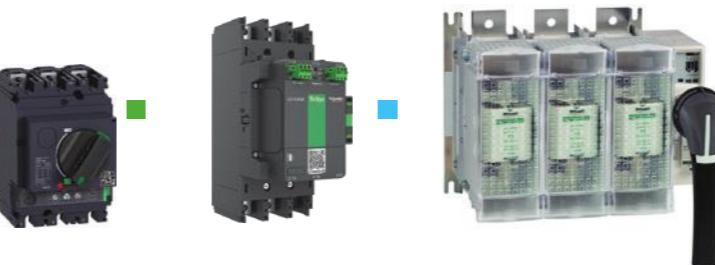
TeSys Giga
LC1G630-800... A
LC1G630-800... N

TeSys Giga 3-/2-Device Type 2 Protection Selection table

> Build your motor starter!

	Contactor	Thermal-magnetic circuit breaker	Magnetic circuit breaker	Switch-disconnector fuse	Thermal overload relay
Range name	TeSys K, TeSys Deca & Giga	TeSys GV5/GV6, ComPacT NSX/NS	ComPacT NSX/NS	TeSys GS	TeSys K, TeSys Deca & Giga
Product reference prefix	LC	GV.P/LV4/33	GV.L	GS	LR
Motor starter structure - 4 functions to be covered:					
Disconnection and breaking		■	■	■	■
Short-circuit protection		■	■	■	■
Overload protection		■	■	■	■
Control	■	■	■	■	■

2-Device Type 2 protection:: Thermal magnetic circuit breaker + Contactor
 3-Device Type 2 protection: Magnetic circuit breaker + Contactor + Overload relay
 3-Device Type 2 protection (with Fuse): Fuse + Contactor + Overload relay



TeSys Giga contactor LC1G115...LC1G800	Advanced Version	Standard Version
Control Voltage code (•••)	LC1G.....A	LC1G.....N
24...48 V AC/DC	BEE*	-
48...130 V AC/DC	EHE	EHE
100...250 V AC/DC	-	KUE
200...500 V AC/DC	LSE	-

TeSys F Contactor LC1F1000	AC	DC
110V	F7 FD	
220V	M7 MD	
230V	M7	
240V	U7	

* LC1G115-LC1G500

Motor power AC3 380/400 V	55kW	75kW	90kW	110kW	132kW	160kW	200kW	250kW	335kW	450kW	500kW
TeSys Giga Contactor											
Ie max.AC3 (Ue <= 440 V)	115A	150A	185A	225A	265A	330A	400A	500A	630A	800A	1000A
Ie AC1 (T < 60°C)	250A	275A	305A	330A	385A	440A	550A	700A	1050A	1050A	1250A(2)
Contactor (1)	LC1G115••••	LC1G150••••	LC1G185••••	LC1G225••••	LC1G265••••	LC1G330••••	LC1G400••••	LC1G500••••	LC1G630••••	LC1G800••••	LC1F1000••

(1) Contactor references must be completed with coil voltage code as indicated above table (eg.: "LSE" for 200...500V AC/DC control voltage) and ended with A for Advanced version and N for Standard version. For more details, please refer to the TeSys Giga catalog.

(2) 1250 A at 40 °C.

2 devices: Type-2 protection

Breaking capacity Icu/400 V	70kA										
Thermal-magnetic circuit breaker	GV5P150H	GV5P150H	GV5P220H	GV5P220H	GV6P320H	GV6P320H	GV6P500H	GV6P500H	NS800H	NS800H/NS1000H	NS1000L
Trip unit	Micrologic 2.2M	Micrologic 5.0M	Micrologic 5.0M	Micrologic 5.0M							

Breaking capacity Icu/400 V	36kA	50kA	50kA	50kA	42kA						
Thermal-magnetic circuit breaker	GV5P150F	GV5P150F	GV5P220F	GV5P220F	GV6P320F	GV6P320F	GV6P500F	GV6P500F	NS800N	NS800N	NS1000L
Trip unit	Micrologic 2.2M	Micrologic 5.0M	Micrologic 5.0M	Micrologic 5.0M	Micrologic 5.0M						

3 devices: Type-2 protection

Breaking capacity Icu/400 V	70kA	70kA	70kA	70kA	70kA	70kA	70kA	130kA	130kA	130kA	130kA
Magnetic circuit breaker	NS160H	NS160H	NSX250H	NSX250H	NSX400H	NSX400H	NSX630H	NSX630H	NS800L	NS800L	NS1000L
Trip unit	MA	MA	MA	MA	Micrologic 1.3-M	Micrologic 1.3-M	Micrologic 1.3-M	Micrologic 5.0 + Plug LR Off (3)	Micrologic 5.0 + Plug LR Off (3)	Micrologic 5.0 + Plug LR Off (3)	Micrologic 5.0 + Plug LR Off (3)
Overload relay (4)	LR9G225	LR9G225	LR9G225	LR9G225	LR9G500	LR9G500	LR9G500	LR9G500	-	LRD05 + Current transformer 800/1 A (5)	

(4) LR9G- Electronic thermal over-load relay with trip class selection from 5e...30e with phase imbalance and ground fault protections.

(5) Thermal overload relay class 10 A

Breaking capacity Icu/400 V	50kA	50kA	50kA	50kA	50kA	50kA	50kA	130kA	130kA	130kA	130kA
Magnetic circuit breaker	NS160N	NS160N	NSX250N	NSX250N	NSX400N	NSX400N	NSX630N	NSX630N	NS800L	NS800L	NS1000L
Trip unit	MA	MA	MA	MA	Micrologic 1.3-M	Micrologic 1.3-M	Micrologic 1.3-M	Micrologic 5.0 + Plug LR Off (3)	Micrologic 5.0 + Plug LR Off (3)	Micrologic 5.0 + Plug LR Off (3)	Micrologic 5.0 + Plug LR Off (3)
Overload relay (4)	LR9G225	LR9G225	LR9G225	LR9G225	LR9G500	LR9G500	LR9G500	LR9G500	-	LRD05 + Current transformer 800/1 A (5)	

(4) LR9G- Electronic thermal over-load relay with trip class selection from 5e...30e with phase imbalance and ground fault protections.

(5) Thermal overload relay class 10 A

Breaking capacity Icu/400 V	80kA	80kA									
Switch-disconnector fuse	GS2L	GS2L	GS2N	GS2N	GS2QQ	GS2S	GS2S	GS2S	GS2V	GS2V	GS2V
Fuse size (type DIN - aM fuses)	0	0	1	1	2	2	3	3	4	4	4
Operational current Ie/400 V	125A	160A	200A	250A	315A	400A	500A	500A	800A	800A	1000A
Overload relay (4)	LR9G115	LR9G225	LR9G225	LR9G225	LR9G500	LR9G500	LR9G500	LR9G500	LR9G630	LRD10 + current transformer 5A/5VA (5)	LRD10 + current transformer 5A/5VA (5)

(4) LR9G- Electronic thermal over-load relay with trip class selection from 5e...30e with phase imbalance and ground fault protections.

(5) Thermal overload relay class 10 A



TeSys Catalogue 2022

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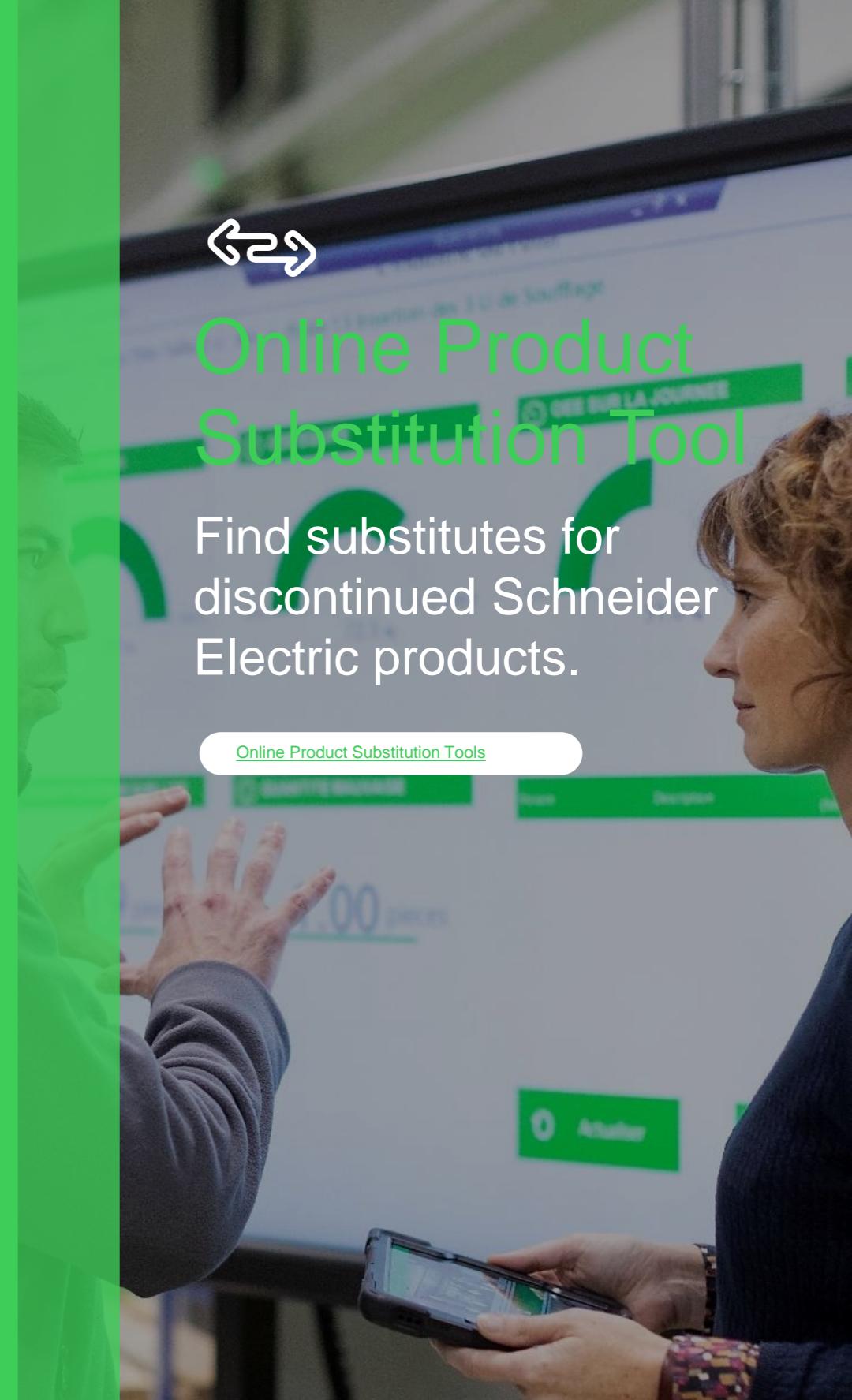
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