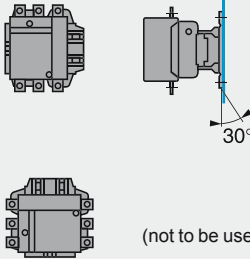
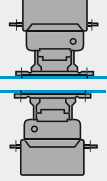



TeSys contactors

TeSys F contactors (115 to 2100 A)

Control circuit: a.c. or d.c.

Environment

Contactor type		LC1 F115	LC1 F150	LC1 F185	
Rated insulation voltage (Ui)	Conforming to IEC 60947-4-1	V	1000	1000	1000
	Conforming to VDE 0110 gr C	V	1500	1500	1500
Rated impulse withstand voltage (Uimp)	Coil not connected to the power circuit	kV	8	8	8
Conforming to standards			EN 60947-1, EN 60947-4-1, IEC 60947-1, IEC 60947-4-1, JEM 1038		
Product certifications			CSA, UL, BV, GL, DNV, RINA, RMROS, LROS, CCC		
Degree of protection	Conforming to IEC 60529		IP 2X front face with shrouds LA9 F		
	Conforming to VDE 0106		Front face protected against direct finger contact with shrouds LA9 F		
Protective treatment	Standard version		"TH"		
Ambient air temperature around the device	Storage	°C	-60...+80		
	Operation	°C	-5...+55		
	Permissible at Uc (1)	°C	-40...+70		
Maximum operating altitude	Without derating	m	3000		
Operating positions	Without derating		 <p>(not to be used for LC1 F780, F1700 and F2100)</p>		
			 <p>Apply the following derating coefficients: 0.75 on the pull-in voltage, 0.9 on the drop-out voltage and 0.8 on the operational current in AC-1</p> <p>Apply the following derating coefficients: 1.15 on the pull-in voltage, 1.1 on the drop-out voltage and 0.8 on the operational current in AC-1</p> <p>In either case: neither the making and breaking capacities nor the electrical and mechanical durabilities can be assured.</p>		
	Not to be used				
Shock resistance (2) 1/2 sine wave = 11 ms	Contactor open		9 gn	9 gn	7 gn
	Contactor closed		15 gn	15 gn	15 gn
Vibration resistance (2) 5...300 Hz	Contactor open		2 gn	2 gn	2 gn
	Contactor closed		6 gn	6 gn	5 gn

(1) In these conditions, it is recommended that LX9 F coils be used for contactor sizes F115 to F225.

(2) In the least favourable direction, without change of contact state (coil at Uc). Where higher resistance to mechanical shock is required, select shock-proof contactors. Please consult your Regional Sales Office.

LC1 F225	LC1 F265	LC1 F330	LC1 F400	LC1 F500	LC1 F630	LC1 F780	LC1 F800	LC1 F1250	LC1 F1400	LC1 F1700	LC1 F2100
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
8	8	8	8	8	8	8	8	8	8	8	8

EN 60947-1, EN 60947-4-1, IEC 60947-1, IEC 60947-4-1, JEM 1038

CSA, UL, BV, GL, DNV, RINA, RMROS, LROS, CCC

UL, CSA, GL, LROS

CSA, CCC, ETL-UL

IP 20 front face with shrouds LA9 F

Front face protected against direct finger contact with shrouds LA9 F

“TH”

-60...+80

-60...+80

-60...+80

-5...+55

-5...+55

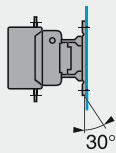
-5...+40

-40...+70

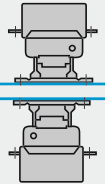
-5...+55

-40...+60

3000



(not to be used for LC1 F780, F1400, F1700 and F2100)



Apply the following derating coefficients: 0.75 on the pull-in voltage, 0.9 on the drop-out voltage and 0.8 on the operational current in AC-1.

Apply the following derating coefficients: 1.15 on the pull-in voltage, 1.1 on the drop-out voltage and 0.8 on the operational current in AC-1.

In either case: neither the making and breaking capacities nor the electrical and mechanical durabilities can be assured

Not to be used



7 gn	6 gn	6 gn	6 gn	9 gn	6 gn	5 gn	6 gn	6 gn	6 gn	6 gn	6 gn
15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn	15 gn
2 gn	2 gn	2 gn	1.5 gn	2 gn	2 gn	2.5 gn	2 gn	2 gn	2 gn	2 gn	2 gn
5 gn	5 gn	5 gn	5 gn	4 gn	4 gn	5.5 gn	4 gn	4 gn	4 gn	4 gn	4 gn