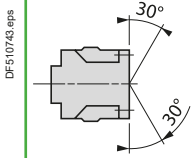
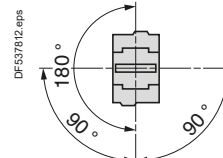
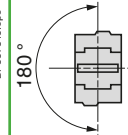
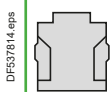
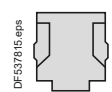


TeSys contactors

TeSys D, TeSys D Green contactors

Environment							
Contactor type LC1		D09...D18 DT20 and DT25	D25...D38 DT32 and DT40	D40A...D80A DT60A and DT80A	D80...D95	D115 and D150	
Rated insulation voltage (Ui)	Conforming to IEC 60947-4-1, overvoltage category III, degree of pollution: 3	V	690			1000	
	Conforming to UL, CSA	V	600				
Rated impulse withstand voltage (Uimp)	Conforming to IEC 60947	kV	6			8	
Conforming to standards			IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 60947-4-1, CSA C22.2 n° 60947-4-1, UL 60947-5-1, CSA C22.2 n° 60947-5-1, GB/T 14048.4				
Product certifications ⁽¹⁾			UL, CSA, CCC, EAC, CB certification, EU-MR-RO by DNV-GL		UL, CSA, CCC, EAC, CB certification, DNV-GL, RINA, BV, LRoS		
Degree of protection ⁽²⁾ (front face)	Conforming to IEC 60529						
	Power circuit connections		Protection against direct finger contact IP20				
	Coil connection		Protection against direct finger contact IP20				
Climatic withstand			According to IACS E10 and IEC 60947-1 Annex Q category D		According to IACS E10		
Ambient air temperature around the device	Storage	°C	-60...+80				
	Operation ⁽³⁾	°C	-40...+60				
	Allowed with derating ^{(3) (4)}	°C	+60...+70 at Uc to 1.●● x Uc				
Maximum operating altitude	Without derating	m	3000				
Operating positions ⁽⁵⁾	Without derating in the following positions		AC and DC coils AC/DC and "BBE" coils 	AC coils AC/DC and "BBE" coils 	DC coils 		
	Positions that are not allowed		For --- contactors LC1 D09 to LC1 D150.  				
Flame resistance	Conforming to IEC 60695-2-11	°C	850				
Shock resistance ⁽⁶⁾ 1/2 sine wave = 11 ms	Contactor open		10 gn	8 gn	10 gn	8 gn	6 gn
	Contactor closed		15 gn	15 gn	15 gn	10 gn	15 gn
Vibration resistance ⁽⁶⁾ 5...300 Hz	Contactor open		2 gn				
	Contactor closed		4 gn	4 gn	4 gn	3 gn	4 gn

(1) Contactor LC1 D95 with d.c. coil is not UL/CSA certified.
 (2) Protection provided for the cabling c.s.a.'s indicated on the next page and for connection by cable. For lug type: add a protective cover.
 (3) As per IEC60947-4-1, operating time and drop out voltage given and tested for -5...+40 °C.
 (4) Refer to operational current in AC1 (page A6/30).
 (5) When mounting on a vertical rail, use a stop.
 (6) Without modifying the power contact states, in the most unfavourable direction (coil energised at Ue).
 In case of vibration, it is recommended to mount the devices separately by screws on metal plate.