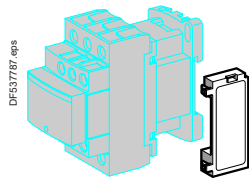


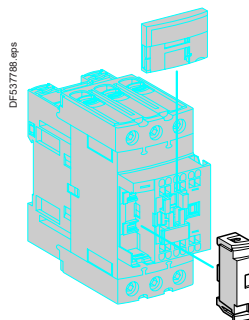
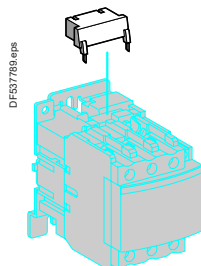
TeSys contactors

TeSys D contactors and reversing contactors

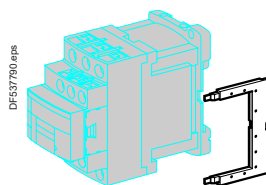
Suppressor modules



LAD 4●●

LAD 4RC3●, LAD 4V3●,
LAD 4D3U, LAD 4T3●

LA4 D●●



LAD 4DDL or LAD 4T●DL

RC circuits (Resistor-Capacitor)

Effective protection for circuits highly sensitive to "high frequency" interference. For use only in cases where the voltage is virtually sinusoidal, i.e. less than 5 % total harmonic distortion. Voltage limited to 3 U_c max. and oscillating frequency limited to 400 Hz max. Slight increase in drop-out time (1.2 to 2 times the normal time).

Mounting	For use with contactor ⁽¹⁾	Type		Reference
		V ~	V ---	
Clip-on side mounting ^{(3) (5)}	D09...D38 (3P) DT20...DT40	24...48	—	LAD4RCE
		50...127	—	LAD4RCG
		110...250	—	LAD4RCU
Clip-on front mounting ^{(3) (5)}	D40A...D65A (3P) DT60A...DT80A (4P)	24...48	—	LAD4RC3E
		50...127	—	LAD4RC3G
		110...240	—	LAD4RC3U
		380...415	—	LAD4RC3N
Screw fixing ⁽⁴⁾	D80...D150 (3P) D40...D115 (4P)	24...48	—	LA4DA2E
		50...127	—	LA4DA2G
		110...240	—	LA4DA2U
		380...415	—	LA4DA2N

Varistors (peak limiting)

Protection provided by limiting the transient voltage to 2 U_c max. Maximum reduction of transient voltage peaks. Slight increase in drop-out time (1.1 to 1.5 times the normal time).

Clip-on side mounting ^{(3) (5)}	D09...D38 (3P) DT20...DT40	24...48	—	LAD4VE
		50...127	—	LAD4VG
		110...250	—	LAD4VU
Clip-on front mounting ^{(3) (5)}	D40A...D65A (3P) DT60A...DT80A (4P)	24...48	24...48	LAD4V3E
		50...127	50...127	LAD4V3G
		110...250	110...250	LAD4V3U
Screw fixing ⁽⁴⁾	D80...D115 (3P) D80...D115 (4P)	24...48	—	LA4DE2E
		50...127	—	LA4DE2G
		110...250	—	LA4DE2U
	D80...D95 (3P) D80 (4P)	—	24...48	LA4DE3E
		—	50...127	LA4DE3G
		—	110...250	LA4DE3U

Flywheel diodes

No overvoltage or oscillating frequency. Increase in drop-out time (6 to 10 times the normal time).

Polarised component.

Clip-on side mounting ⁽⁵⁾	D09...D38 (3P), DT20...DT40	—	5...600	LAD4DDL
Clip-on front mounting ⁽⁵⁾	D40A...D65A (3P), DT60A...DT80A (4P)	—	24...250	LAD4D3U
Screw fixing ⁽⁴⁾	D80 and D95 (3P), D40...D80 (4P)	—	24...250	LA4DC3U

Bidirectional peak limiting diodes

Protection provided by limiting the transient voltage to 2 U_c max.

Maximum reduction of transient voltage peaks.

Clip-on side mounting ⁽³⁾	D09...D38 (3P) DT20...DT40 (4P) ⁽²⁾	24	—	LAD4TB
		—	24	LAD4TBDL
		72	—	LAD4TS
		—	72	LAD4TSDL
		—	125	LAD4TGDL
		—	250	LAD4TUDL
Clip-on front mounting ⁽³⁾	D40A...D65A (3P) DT60A...DT80A (4P) ⁽²⁾	—	600	LAD4TXDL
		12...24	12...24	LAD4T3B
		25...72	25...72	LAD4T3S
		73...125	73...125	LAD4T3G
		126...250	126...250	LAD4T3U
		251...440	251...440	LAD4T3R
Screw fixing ⁽⁴⁾	D80...D95 (3P) D40...D80 (4P)	12...24	—	LA4DB2B
		25...72	—	LA4DB2S
		—	24	LA4DB3B
		—	72	LA4DB3S

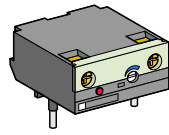
(1) For satisfactory protection, a suppressor module must be fitted across the coil of each contactor except for TeSys D Green (●●E coil), as surge protection is already embedded.

(2) From D09 to D65A and from LC1 DT20 to DT80A, d.c. low consumption or TeSys D Green 3-pole contactors are fitted with a built-in bidirectional peak limiting diode suppressor as standard. This bidirectional peak limiting diode is removable and can therefore be replaced by the user. (See reference above). If a d.c. or low consumption contactor is used without suppression, the standard suppressor should be replaced with a blanking plug (reference LAD 9DL for LC1 D09 to D38 and LC1 DT20 to DT40; reference LAD 9DL3 for LC1 D40A to D65A and LC1 DT60A to DT80A).

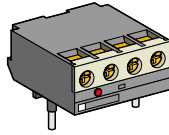
(3) Clipping-on makes the electrical connection. The overall size of the contactor remains unchanged.

(4) Mounting at the top of the contactor on coil terminals A1 and A2.

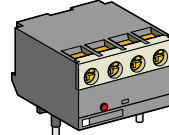
(5) In order to install these accessories, the existing suppression device must first be removed.



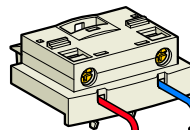
LA4 DT



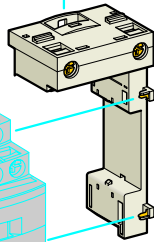
LA4 DFB⁽¹⁾



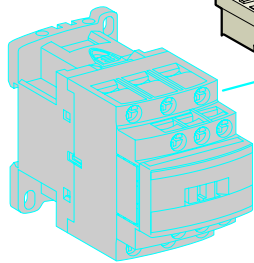
LA4 DWB



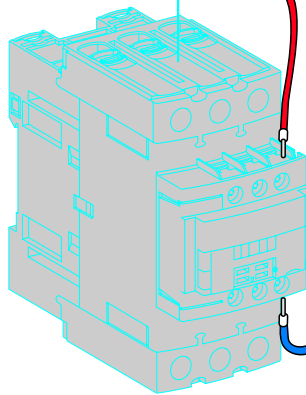
LAD 4BB3



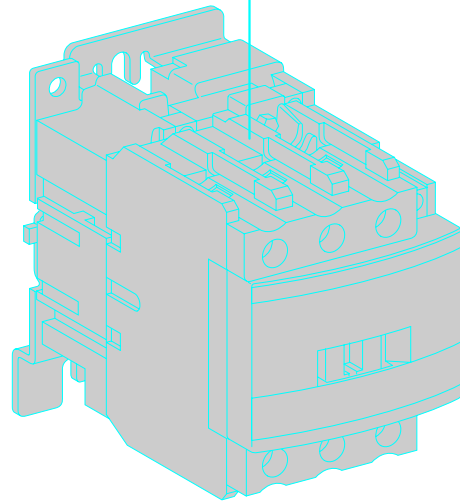
LAD 4BB⁽¹⁾



LC1 D09...D38



LC1 D40A...D80A



LC1 D80...D95

Contactors

See page opposite for mounting possibilities according to the contactor type.

⁽¹⁾ For TeSys D with AC coil only.