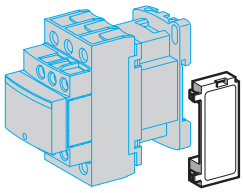
TeSys contactors
TeSys D contactors and reversing contactors
Suppressor modules

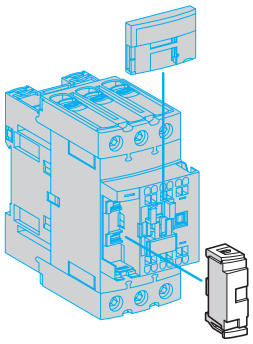


LAD 4●●

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 Uc 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)*			Reference	Weight
	Rating	Type			
		V ∼	V ⎓		kg
Clip-on side mounting *(3)*	D09…D38 (3P) DT20…DT40	24…48	–	**LAD 4RCE**	0.012
		50…127	–	**LAD 4RCG**	0.012
		110…250	–	**LAD 4RCU**	0.012
Clip-on front mounting *(3)*	D40A…D65A (3P) DT60A…DT80A (4P)	24…48	–	**LAD 4RC3E**	0.020
		50…127	–	**LAD 4RC3G**	0.020
		110…240	–	**LAD 4RC3U**	0.020
		380…415	–	**LAD 4RC3N**	0.040
Screw fixing *(4)*	D80…D150 (3P) D40…D115 (4P)	24…48	–	**LA4 DA2E**	0.018
		50…127	–	**LA4 DA2G**	0.018
		110…240	–	**LA4 DA2U**	0.018
		380…415	–	**LA4 DA2N**	0.018

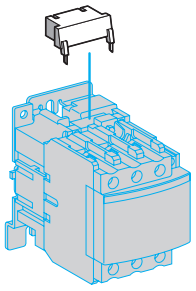


LAD 4RC3●, LAD 4V3●, LAD 4D3U, LAD 4T3●

Varistors (peak limiting)

Protection provided by limiting the transient voltage to 2 Uc 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)*	D09…D38 (3P) DT20…DT40	24…48	–	**LAD 4VE**	0.012
		50…127	–	**LAD 4VG**	0.012
		110…250	–	**LAD 4VU**	0.012
Clip-on front mounting *(3)*	D40A…D65A (3P) DT60A…DT80A (4P)	24…48	24…48	**LAD 4V3E**	0.020
		50…127	50…127	**LAD 4V3G**	0.020
		110…250	110…250	**LAD 4V3U**	0.020
Screw fixing *(4)*	D80…D115 (3P) D80…D115 (4P)	24…48	–	**LA4 DE2E**	0.018
		50…127	–	**LA4 DE2G**	0.018
		110…250	–	**LA4 DE2U**	0.018
	D80…D95 (3P) D80 (4P)	–	24…48	**LA4 DE3E**	0.018
		–	50…127	**LA4 DE3G**	0.018
		–	110…250	**LA4 DE3U**	0.018



LA4 D●●

Flywheel diodes

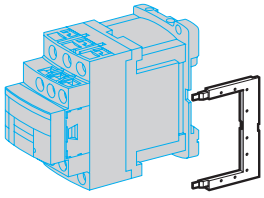
No overvoltage or oscillating frequency. Increase in drop-out time (6 to 10 times the normal time). Polarised component.

Clip-on side mounting *(5)*	D09…D38 (3P), DT20…DT40	–	24…250	**LAD 4DDL**	0.012
Clip-on front mounting *(5)*	D40A…D65A (3P), DT60A…DT80A (4P)	–	24…250	**LAD 4D3U**	0.020
Screw fixing *(4)*	D80 and D95 (3P), D40…D80 (4P)	–	24…250	**LA4 DC3U**	0.018

Bidirectional peak limiting diodes

Protection provided by limiting the transient voltage to 2 Uc max. Maximum reduction of transient voltage peaks.

Clip-on side mounting *(3) (5)*	D09…D38 (3P) DT20…DT40 (4P) *(2)*	24	–	**LAD 4TB**	0.012
		–	24	**LAD 4TBDL**	0.012
		72	–	**LAD 4TS**	0.012
		–	72	**LAD 4TSDL**	0.012
		–	125	**LAD 4TGDL**	0.012
		–	250	**LAD 4TUDL**	0.012
		–	600	**LAD 4TXDL**	0.012
Clip-on front mounting *(3)*	D40A…D65A (3P) DT60A…DT80A (4P) *(2)*	12…24	12…24	**LAD 4T3B**	0.020
		25…72	25…72	**LAD 4T3S**	0.020
		73…125	73…125	**LAD 4T3G**	0.020
		126…250	126…250	**LAD 4T3U**	0.020
		251…440	251…440	**LAD 4T3R**	0.020
Screw fixing *(4)*	D80…D95 (3P) D40…D80 (4P)	12…24	12…24	**LA4 DB2B**	0.018
		25…72	25…72	**LA4 DB2S**	0.018
		–	24	**LA4 DB3B**	0.018
		–	72	**LA4 DB3S**	0.018



LAD 4DDL or LAD 4T●DL

(1) For satisfactory protection, a suppressor module must be fitted across the coil of each contactor.
*(2) From D09 to D65A and from LC1 DT20 to DT80A, d.c. and low consumption 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.