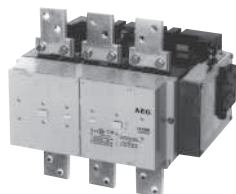


AC contactors

LS ... K-contactors

3P



Power rating (kW), AC-3, 3~				Cat. No.	AC operation 230V 50Hz Ref. No.	DC operation 24V DC Ref. No.	Pack.
230V	400V	500V	690V				
Screw terminal							
2.2	4	5.5	5.5	LS 4K.10	143011	143631	1
2.2	4	5.5	5.5	LS 4K.01	143039	143645	1
3	5.5	7.5	7.5	LS 5K.10	143095	143659	1
3	5.5	7.5	7.5	LS 5K.01	143123	143673	1
4	7.5	10	10	LS 7K.10	143235	143715	1
4	7.5	10	10	LS 7K.01	143263	143729	1
7.5	11	15	15	LS 11K.00	143515	143589	1
Dual box type terminal							
7.5	12	15	15	LS 12K.10	136375	136377	1
7.5	12	15	15	LS 12K.01	136376	-	1
9	16	18.5	18.5	LS 15K.10	135127	-	1
9	16	18.5	18.5	LS 15K.01	135126	-	1
11	18.5	25	30	LS 18K.00	135055	135061	1
15	22	30	35	LS 22K.00	135071	-	1
15	22	30	35	LS 22K.00 AC/DC	135046	135042	1
18.5	30	40	45	LS 30K.00	125583	-	1
18.5	30	40	45	LS 30K.00 AC/DC	135010	135757	1
22	37	45	45	LS 37K.00	125587	-	1
22	37	45	45	LS 37K.00 AC/DC	135769	135012	1
25	45	55	55	LS 45K.00	135104	-	1
25	45	55	55	LS 45K.00 AC/DC	135775	135771	1
30	55	65	65	LS 55K.00	125718	-	1
30	55	65	65	LS 55K.00 AC/DC	135777	135024	1
Screw terminal							
45	75	100	100	LS 75K.22	135819	-	1
45	75	100	100	LS 75K.11 AC/DC	135826	135822	1
55	90	110	132	LS 90K.22	135839	-	1
55	90	110	132	LS 90K.11 AC/DC	135846	135842	1
65	110	132	155	LS 110K.22	135052	-	1
65	110	132	155	LS 110K.11 AC/DC	133411	133407	1
					AC/DC operation 220-250V 50/60Hz, DC	AC/DC operation 24-28V 50/60Hz, DC	
Screw terminal with AC/DC electronic coil							
75	132	160	200	LS 132K.22 AC/DC	135780	136005	1
90	160	200	250	LS 160K.22 AC/DC	133439	133435	1
125	220	300	375	LS 220K.22 AC/DC	133460	133456	1
160	280	400	450	LS 280K.22 AC/DC	133481	133477	1
220	375	480	500	LS 375K.22 AC/DC	133502	133498	1
					AC operation 220-240V 50/60Hz		
Screw terminal (220 - 240V 50/60Hz AC)							
250	450	550	550	LS 450K.22	133523		1

Remark: Available voltages see F.15

AC contactors

LS ... K-contactors

4P



Power rating (kW), AC-3, 3~				Cat. No.	AC operation	DC operation	Pack.
230V	400V	AC-1 I _e (A)	230V 50Hz		24V DC		
Screw terminal							
3	5.5	25	LS 5K-4.00	143179	143687	1	
3	5.5	25	LS 5K-22.00	143207	143701	1	
4	7.5	32	LS 7K-4.00	143319	143743	1	
4	7.5	32	LS 7K-22.00	143347	143757	1	
Dual box type terminal							
7.5	11	45	LS 11K-4.00	135034	135037	1	
7.5	11	45	LS 11K-22.00	135032	135036	1	
9	16	60	LS 15K-4.00	135049	135054	1	
9	16	60	LS 15K-22.00	135051	133725	1	
11	18.5	90	LS 18K-4.00	135063		1	
11	18.5	90	LS 18K-22.00	116780		1	
11	18.5	90	LS 18K-4.00 AC/DC	135781	136048	1	
11	18.5	90	LS 18K-22.00 AC/DC	135782	292146	1	
18.5	30	110	LS 30K-4.00	135089		1	
18.5	30	110	LS 30K-22.00	135090		1	
18.5	30	110	LS 30K-4.00 AC/DC	135783	136049	1	
18.5	30	110	LS 30K-22.00 AC/DC	135784	136946	1	
22	37	110	LS 37K-22.00	135103	136054	1	
22	37	110	LS 37K-22.00 AC/DC	135785		1	
25	45	140	LS 45K-4.00	135112		1	
25	45	140	LS 45K-4.00 AC/DC	135786	136053	1	
Screw terminal							
30	55	200	LS 55K-4.11	135796		1	
30	55	200	LS 55K-4.11 AC/DC	133397	133393	1	
55	90	325	LS 90K-4.11	135803		1	
55	90	325	LS 90K-4.11 AC/DC	133404	133400	1	
				AC/DC operation	AC/DC operation		
				220-250V 50/60Hz, DC	24-28V 50/60Hz, DC		
Screw terminal with AC/DC electronic coil⁽¹⁾							
75	132	400	LS 132K-4.11 AC/DC	133704	133700	1	
90	160	500	LS 160K-4.11 AC/DC	133446	133442	1	
125	220	600	LS 220K-4.11 AC/DC	133467	133463	1	
160	280	700	LS 280K-4.11 AC/DC	133488	-	1	
220	375	1000	LS 375K-4.11 AC/DC	133509	133505	1	
				AC operation			
				220-240V 50/60Hz			
Screw terminal							
250	450	1250	LS 450K-4.11	133526		1	

Remark: Available voltages see F.15

AC contactors

Available voltages for contactors type LS 4K up to LS 450K⁽¹⁾

AC-operation																			
LS 4K - LS 110K (3P)	50 Hz	(V)	48	-	110	127	-	208 ⁽¹⁾	220-230	240	-	380 ⁽¹⁾	380-400	415	660-690				
LS 5K-4 - LS 90K-4 (4P)	60 Hz	(V)	-	115 ⁽¹⁾	120 ⁽¹⁾	-	220	240	277	-	380	440	480	-	-				
AC-operation double frequency coil⁽²⁾																			
LS 4K - LS 55K (3P)	50/60 Hz	(V)	24	42 ⁽¹⁾	48	110-115 ⁽¹⁾	230	240	400										
LS 5K - LS 15K (4P)																			
DC-operation																			
LS 4K - LS 18K (3P)	DC	(V)	6 ⁽²⁾	12 ⁽²⁾	24	32 ⁽²⁾	36 ⁽²⁾	42 ⁽²⁾	48	60	72 ⁽²⁾	110	120 ⁽²⁾	125	220	230 ⁽²⁾	240 ⁽²⁾	250 ⁽²⁾	440 ⁽²⁾
LS 5K - LS 15K (4P)																			
AC/DC-electronic coil																			
LS 22K - LS 55K (3P)	50/60 Hz	(V)	24-28	42-48	60-72	110-125	220-250	440											
LS 18K - LS 45K (4P)	DC																		
AC/DC-electronic coil																			
LS 75K - LS 375K (3P- 4P)	50/60 Hz	(V)	24-28	42-48	110-127	220-250	380-415	440-500											
LS 55K-4 (4P)	DC																		
AC-operation																			
only for LS 450K	50/60 Hz	(V)	110-120	220-240	360-440														

(1) For Ref. No. please contact us

(2) Price increase has to be considered

Contactors type LS...K

Protection against short-circuit.

Protection with fuses, max. values, according coordination type 1 and 2 and without welding, contactors without TOR

Type	LS 4K	LS 5K (3+4P)	LS 7K (3+4P)	LS 11K	LS 12K LS 11K (4P)	LS 15K	LS 15K (4P)	LS 18K	LS 18K (4P)	LS 22K (3+4P)	LS 30K (3+4P)	LS 37K (3+4P)	LS 45K (3+4P)
Coordination type 2													
gG/gL (A)	35	35	35	50	63	63	63	80	100	100	125	125	160
Coordination type 1													
gG/gL (A)	50	50	63	63	100	100	100	125	200	200	200	200	250
Without welding													
gG/gL (A)	10	10	25	35	35	35	35	50	80	80	100	100	140

Type	LS 55K (3+4P)	LS 55K (4p)	LS 75K	LS 90K	LS 90K (4p)	LS 110K	LS 132K	LS 132K (4p)	LS 160K (3+4P)	LS 220K (3+4P)	LS 280K (3+4P)	LS 375K (3+4P)	LS 450K (3+4P)
Coordination type 2													
gG/gL (A)	200	250	250	250	400	315	400	500	500	630	800	1000	1250
Coordination type 1													
gG/gL (A)	250	315	355	355	500	500	500	630	630	1250	1250	1250	2x800
Without welding													
gG/gL (A)	160	200	200	200	250	250	315	315	425	500	630	800	1000

AC contactors

With DC wide range coils



3P



DC operated with wide range coil 0,7 - 1,3 x Us								
Power rating, (kW), AC-3, 3				AC-1	Additional aux. cont.	Cat. No.	DC operation	
230V	400V	500V	690V	Ie (A)			24 V/DC / Ref. No.	Pack.
Screw terminal								
2.2	4	5.5	5.5	25	2NO or 1NC	LS4K.10 DWD	136484	1
3	5.5	7.5	7.5	25	2NO or 1NC	LS5K.10 DWD	136485	1
4	7.5	10	10	32	2NO or 1NC	LS7K.10 DWD	136486	1
Dual box terminals								
7.5	12	15	15	45	1NO and 1NC	LS12K.00 DWD	136487	1
9	16	18.5	18.5	60	1NO and 1NC	LS15K.00 DWD	136488	1
11	18.5	25	30	60	1NO and 1NC	LS18K.00 DWD	136489	1
15	22	30	35	90	4 contacts	LS22K.00 DWD ⁽²⁾	103751	1
15	22	30	35	90	4 contacts	LS22K.00 EWD ⁽¹⁾	136490	1
18.5	30	40	45	110	4 contacts	LS30K.00 DWD ⁽²⁾	103758	1
18.5	30	40	45	110	4 contacts	LS30K.00 EWD ⁽¹⁾	136491	1
22	37	45	45	110	4 contacts	LS37K.00 DWD ⁽²⁾	103765	1
22	37	45	45	110	4 contacts	LS37K.00 EWD ⁽¹⁾	136492	1
25	45	55	55	140	4 contacts	LS45K.00 DWD ⁽²⁾	103772	1
25	45	55	55	140	4 contacts	LS45K.00 EWD ⁽¹⁾	136493	1
30	55	65	65	140	4 contacts	LS55K.00 DWD ⁽²⁾	103779	1
30	55	65	65	140	4 contacts	LS55K.00 EWD ⁽¹⁾	136494	1
Screw terminals								
45	75	100	100	250	without	LS75K.11EWD	136495	1
55	90	110	132	250	without	LS90K.11EWD	136496	1



4P



Screw terminals								
3	5.5	7.5	7.5	25	2NO or 1NC	LS5K-4.00 DWD	136568	1
4	7.5	10	10	32	2NO or 1NC	LS7K-4.00 DWD	136569	1
Dual box terminals								
7.5	11	15	15	45	1NO and 1NC	LS11K-4.00 DWD	136570	1
9	16	18.5	18.5	60	1NO and 1NC	LS15K-4.00 DWD	136571	1
11	18.5	25	30	90	4 contacts	LS18K-4.00 DWD ⁽²⁾	103805	1
11	18.5	25	30	90	4 contacts	LS18K-4.00 EWD ⁽¹⁾	136572	1
18.5	30	40	45	110	4 contacts	LS30K-4.00 DWD ⁽²⁾	103806	1
18.5	30	40	45	110	4 contacts	LS30K-4.00 EWD ⁽¹⁾	136573	1
25	45	55	55	140	4 contacts	LS45K-4.00 DWD ⁽²⁾	103807	1
25	45	55	55	140	4 contacts	LS45K-4.00 EWD ⁽¹⁾	136574	1
Screw terminals								
55	90	110	132	325	without	LS90K-4.11 EWD ⁽³⁾	136575	1

Cat. No. voltage suffix

for contactors Type LS 4..K up to LS 90...K with wide range coil

DC operation (0.7-1.3 x Us) LS 4K-LS 55K (3-pole) LS 5K-LS 45K (4-pole)	Suffix DC (V)	-WD 24	-WE 33	-WG 48	-WI 72	-WI 72	-WN 220
AC/DC-electronic coil (0.7-1.3 x Us) LS 22K-LS 90K (3-pole) LS 18K-LS 45K (4-pole)	Suffix	-WD 24	-WE 33	-WG 48	-WI 72	-WI 110	-WN 220

(1) DC-electronic coil for DC operation

(2) DC operation (DC coil, PA = PH = 20 W)

(3) Type LS 90K.11EWD only with DC-electronic coil DC 24V available

Remark:









Ordering, pls. mention Cat. No. and Ref. No. If you need the contactor with the above mentioned control voltage 24V DC.

If you need the contactor with an other control voltage pls. mention only the designation and instead of the voltage suffix **WD** use the suffix according to the control voltage you need, see above suffix schedule. Ordering example see below. Ref. No. on request.

Ordering example: Contactor type LS 4K.10DWJ (3-pole, screw terminal) with DC wide range coil for DC 110V

AC contactors

Accessories for LS...K contactors

	Description	Fits contactors type ...	Cat. No.	Ref. No.	Pack.																																																
 <p>Auxiliary contact block, 1 contact</p>	Screw terminal, for front snap-on mounting, DIN EN 50 005, DIN EN 50 012 extended contact travel	LS 4K - LS 55K, not for LS 55K-4 (4-pole)	HS 7K.10 HS 7K.01	133768 133766	10 10																																																
		HS 7V.10 HS 7V.01	133769 133767	10 10																																																	
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		<hr/>																																																			
 <p>Auxiliary contact block, 2 contacts</p>	Screw terminal, for side mounting, DIN EN 50 005, DIN EN 50 012 R: for mounting more than 4 front or 2 side-mounted auxiliary contacts	LS 4K - LS 450K	HS 8K.11 HS 8K.20	135002 135004	10 10																																																
		LS 22K - LS 450K, LS 18K-4	HS 8R.11 HS 8R.20	133101 135003	10 10																																																
		<hr/>																																																			
		<hr/>																																																			
 <p>Timer, pneumatic, 2 contacts</p>	Delayed ON, pneumatically delayed auxiliary contact, DIN EN 50 005 0.1 - 30s 1 - 60s	LS 4K - LS 55K, not for LS 55K-4 (4-pole)	TMD 30 TMD 60	135028 135030	10 10																																																
		<hr/>																																																			
		Delayed OFF, pneumatically delayed auxiliary contact, DIN EN 50 005 0.1 - 30s 1 - 60s	LS 4K - LS 55K, not for LS 55K-4 (4-pole)	TMI 30 TMI 60	135029 135031	10 10																																															
			<hr/>																																																		
 <p>Mechanical latch, 1 contact</p>	With electronic impulse or manual, for front snap-on mounting, DIN EN 50 005 <table border="1"> <thead> <tr> <th colspan="2">50 Hz (V)</th> <th colspan="2">60 Hz (V)</th> <th colspan="2">DC (V)</th> </tr> </thead> <tbody> <tr> <td>24 - 32</td> <td>24 - 32</td> <td>24 - 32</td> <td>24 - 36</td> <td></td> <td></td> </tr> <tr> <td>42 - 48</td> <td>48 - 60</td> <td>42 - 48</td> <td>42 - 48</td> <td></td> <td></td> </tr> <tr> <td>-</td> <td>-</td> <td>60 - 72</td> <td></td> <td></td> <td></td> </tr> <tr> <td>110 - 127</td> <td>110 - 127</td> <td>110 - 125</td> <td></td> <td></td> <td></td> </tr> <tr> <td>220 - 240</td> <td>208 - 277</td> <td>220 - 250</td> <td></td> <td></td> <td></td> </tr> <tr> <td>380 - 480</td> <td>380 - 480</td> <td>440</td> <td></td> <td></td> <td></td> </tr> <tr> <td>500 - 690</td> <td>600</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	50 Hz (V)		60 Hz (V)		DC (V)		24 - 32	24 - 32	24 - 32	24 - 36			42 - 48	48 - 60	42 - 48	42 - 48			-	-	60 - 72				110 - 127	110 - 127	110 - 125				220 - 240	208 - 277	220 - 250				380 - 480	380 - 480	440				500 - 690	600					LS 4K - LS 55K, not for LS 55K-4 (4-pole)	WBK WBK WBK WBK WBK WBK WBK	135073 292913 292912 292914 135077 135807 135806	5 5 5 5 5 5 5
		50 Hz (V)		60 Hz (V)		DC (V)																																															
		24 - 32	24 - 32	24 - 32	24 - 36																																																
		42 - 48	48 - 60	42 - 48	42 - 48																																																
		-	-	60 - 72																																																	
		110 - 127	110 - 127	110 - 125																																																	
		220 - 240	208 - 277	220 - 250																																																	
		380 - 480	380 - 480	440																																																	
		500 - 690	600																																																		
		<hr/>																																																			
 <p>Overvoltage suppressor Directly parallel to the coil terminals A1/A2 adaptable without cable</p>	RC unit, for AC-operated contactors Ue 24 - 48V Ue 50 - 127V Ue 130 - 250V Ue 24 - 48V Ue 50 - 127V Ue 130 - 250V Ue 24V Ue 48 - 260V Ue 380 - 415V	LS 4K - LS 15K, LS 18K (3-pole)	LR 2K LR 2K LR 2K	135014 135015 135016	10 10 10																																																
		LS 18K-4, LS 22K - LS 55K, LS 75K, LS 90K (3-pole), not for LS 55K-4 (4-pole)	LR 3K LR 3K LR 3K	135017 135018 135019	10 10 10																																																
		LS 110K, LS 55K-4, LS 90K-4	LR 5K LR 5K LR 5K	292917 133586 133586	10 10 10																																																
		<hr/>																																																			
		 <p>Diode, for DC-operated contactors Ue 12 - 600V</p>	LS 4K - LS 15K, LS 18K (3-pole)	LDK	135023	10																																															
				<hr/>																																																	
		 <p>Varistor, for AC or DC-operated contactors Ue 24 - 48V Ue 50 - 127V Ue 130 - 250V</p>	LS 4K - LS 55K, LS 75K, LS 90K (3-pole), not for LS 55K-4 (4-pole)	LV 3K LV 3K LV 3K	135020 135021 135022	10 10 10																																															
				<hr/>																																																	
				 <p>Timer, electronic (outgoing units) Directly parallel to the coil terminals A1/A2 adaptable without cable for contactors with Us: 24 - 250 V 50/60Hz/DC</p>	ON-delay 0.1 - 2s 1.5 - 45s	LS 4K - LS 55K not for LS 55K-4 (4-pole)	BETL 02 CG BETL 45 CG	136670 136671	5 5																																												
						<hr/>																																															
	OFF-delay 0.1 - 2s 1.5 - 45s	LS 4K - LS 55K not for LS 55K-4 (4-pole)	BETL 02 DG BETL 45 DG	136672 136673	5 5																																																
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AC contactors

Accessories for LS...K contactors



Interlock

Terminal cover
For the main terminals used with busbars, protection acc. to DIN VDE 0106 Part 100

Device marking parts
for identification and marking

Description	Fits contactors type...	Cat. No.	Ref. No.	Pack.
Mechanical	LS 4K - LS 18K ⁽¹⁾	LUV18K	135007	5
	LS 22K - LS 55K ⁽²⁾	LUV55K	135008	5
Mechanical/ electrical 2NC contacts	LS 4K - LS 18K ⁽¹⁾	LUV18E	135005	5
	LS 22K - LS 55K ⁽²⁾	LUV55E	135006	5
Mechanical, horizontal contactor mounting	LS 75K - LS 375K	LUV375H	133588	1
Mechanical, vertical contactor mounting	LS 75K - LS 160K, LS 375K ⁽³⁾	LUV375V	133589	1
	LS 450 K	LUV450V	133590	1
For fitting to screw ends M M8 (1 set = 2 items) for 1-pole units, order 3 for 3-pole contactors	LS 75K, LS 90K (3-pol.)	KLA 90K	139672	1
	M10 (1 set = 6 items) order 2 for 4-pole contactors	LS 110K - LS 375K LS 90K-4	KLA 10-2	204799
Labelling system 10 sheets with 260 labels each Label carrier	LS 4K - LS 450K	EAT-260	133773	10
		SPR	133774	20

(1) Not for type LS 55K-4 (4-pole)
(2) Not for type LS 18K-4 (4-pole)
(3) LS 220K and LS 280K only with Type LUV 375H (horizontal)

Spare parts LS...K contactors



Main contact set
(3 NO-contacts)

Main contact set
(2 NO + 2 NC contacts)

Description	Fits contactors type ...	Cat. No.	Ref. No.	Pack.
1 set = 3 units 1 unit = 2 fixed contacts, 1 contact bridge and accessories for 3- and 4-pole contactors (order 2 sets for 4-pole contactors)	LS 22K	CS 22	116576	1
	LS 30K	CS 30	116577	1
	LS 37K	CS 37	116579	1
	LS 45K	CS 45	116581	1
	LS 55K	CS 55	116582	1
	LS 55K-4	CS 55F	136055	1
	LS 75K	CS 75	136056	1
	LS 90K	CS 90	136057	1
	LS 110K	CS 110	136058	1
	LS 132K	CS 132	136062	1
	LS 160K	CS 160	136060	1
	LS 220K	CS 220	133581	1
	LS 280K	CS 280	133582	1
	LS 375K	CS 375	133583	1
	LS 450K	CS 450	133584	1
1 set = 4 units 1 unit = 2 fixed contacts, 1 contact bridge and accessories for 4-pole contactors LS ...K-22	LS 15K-22	CS 15C	116573	1
	LS 18K-22	CS 18C	116575	1
	LS 30K-22	CS 30C	116578	1
	LS 37K-22	CS 37C	116580	1

AC contactors

Spare coils for alteration of control voltages of existing contactors

For alteration of control voltages of existing contactors

For contactors with
AC operation



Description	Cat. No.	Ref. No.	Pack.	
AC coil (230V, 50Hz)				
LS4K-LS7K (3-, 4-pole), LS11K (3-pole), LS12KCWN - LS25KCWN	C 650-00	143851	1	
LS11K (4-pole), LS12K, LS15K (3-, 4-pole), LS18K (3-pole), LS30KCWN	C 652-00	116591	1	
LS18K (4-pole), LS22K - LS45K (3-, 4-pole), LS55K (3-pole), LS45KCWN - LS70KCWN	C 653-00	116599	1	
for LS 75K, LS 90K (3-pole)	C 654-00	133876	1	
for LS 55K-4 (4-pole), LS 110K (3-pole)	C 655-00	135937	1	
LS 90K-4 (4-pole)	C 675-23	133577	1	
LS 450K (3-, 4-pole)	coil Control circuit with rectifier	C 668-23 C 675-23	133574 133577	1 1

For contactors with
electronic coil "AC/DC"

AC/DC coil incl. electronic module (220V - 250V 50/60Hz, DC)				
LS 18K (4-pole), LS 22K - LS 45K, LS 55K (3-pole)	C 664-44	135787	1	
Electronic coil and electronic module (220V - 250V 50/60Hz, DC)				
LS 75K, LS 90K (3-pole)	coil AC/DC-module	C 665-44 CM 672-44	136038 133535	1 1
LS 110K - LS 160K (3-pole), LS 55K-4 (4-pole)	coil AC/DC-module	C 667-44 CM 671-44	133563 136024	1 1
LS 375K, LS 90K-4 - LS 160K-4 (4-pole)	coil AC/DC-module	C 666-44 CM 670-44	133563 133556	1 1
LS 220K, LS 280K (3-, 4-pole)	coil AC/DC-module	C 674-44 CM 673-44	136401 136407	1 1

For contactors with
DC operation

LS 4K - LS 7K, LS 11K (3-pole)	DC coil	C 660-00	143869	1
LS 11K (4-pole), LS 15K, LS 18K (3-pole)		C 662-00	116612	1

Cat. No. suffix for spare coils for contactors type LS 4K - LS 450K

AC-operation	Suffix	-8E	-86	-88	-8K	-69	-8M	-00	-81	-8P	-63	-83	-80	-8S
(not for LS 450K)	50 Hz (V)	48	-	110	127	-	208 ⁽¹⁾	220-230	240	-	380 ⁽¹⁾	380-400	415	660-690
	60 Hz (V)	-	115 ⁽¹⁾	120 ⁽¹⁾	-	220	240	277	-	380	440	480	-	-
AC-operation Double frequency coil⁽¹⁾														
(not for LS 450K)	50/60 Hz (V)	24	42	48	110-115	230	240	400						
DC-operation														
LS 4K - LS 18K (3P)	DC (V)	-1A	-1B	-00	-1C	-1D	-1E	-16	-17	-1F	-18	-1G	-14	-19
LS 5K - LS 15K (4P)		6 ⁽²⁾	12 ⁽²⁾	24	32 ⁽²⁾	36 ⁽²⁾	42 ⁽²⁾	48	60	72 ⁽²⁾	110	120 ⁽²⁾	125	220
		-1H	-1J	-20	-1K									
		230 ⁽²⁾	240 ⁽²⁾	250 ⁽²⁾	440 ⁽²⁾									
AC/DC-electronic coil/mod.														
LS 22K - LS 55K (3P)	50/60 Hz (V)	-40	-41	-42	-43	-44	-46							
LS 18K - LS 45K (4P)	DC (V)	24-28	42-48	60-72	110-125	220-250	440							
AC/DC-electronic coil/mod.														
LS 75K - LS 375K (3P- 4P)	50/60 Hz (V)	-40	-41	-43	-44	-45	-46							
LS 55K-4 (4P)	DC (V)	24-28	42-48	110-127	220-250	380-415	440-500							
AC-operation														
only for LS 450K	50/60 Hz (V)	-88	-23	-63										
		110-120	220-240	360-440										

Remark:

Use suffix only with Cat. No. of the basic execution, e.g. suffix for DC only with contactors with DC-coil.
On the label of the contactors and the coils, you will find the suffix according to above table, e.g. 48V, 50 Hz = suffix -8E.

Ordering example for spare coils:

Spare coil for contactor type LS 4K e.g. coil 48V 50Hz: Type C 650-8E (Ref. No. on request)
or spare coil for contactor type LS 11K e.g. coil DC 48V: Type C 662-16 (Ref. No. on request)

(1) Only for LS 4K - LS 55K (3-pole) and LS 5K-4 - LS 45K-4 (4-pole)

(2) Price increase has to be considered