

Overview mini and compact contactors - Series LS and LS...K up to 5,5 kW

Type		LS 07	LS 02K	LS 05K	LS 06K
Contactors 3-pole AC Alternating current control DC Direct current control		Screw terminal F-Flat plug terminal Solder-Pin terminal AC, DC .10/.01 	Screw terminal F-Flat plug terminal Solder-Pin terminal AC, DC .10/.01 	Screw terminal F-Flat plug terminal Solder-Pin terminal AC, DC .10/.01 	Screw terminal AC, DC .10/.01 
Contactors 4-pole AC Alternating current control DC Direct current control AC/DC control with electronic coil energization Main contacts LS...K- 4.00 = 4NO LS...K-22.00 = 2NO + 2NC LS...K-04.00 = 4NC			LS 02K-4.00 LS 02K-22.00 LS 02K-04.22 Screw terminal F-Flat plug terminal Solder-Pin terminal 	LS 05K-4.00 LS 05K-22.00 LS 05K-04.22 Screw terminals F-Flat plug terminal Solder-Pin terminal 	
Motor rating AC-3 duty, 3~	Contactor style	3-pole	3-pole / 4-pole	3-pole / 4-pole	3-pole
	230 V kW	1.5	1.5	3	3
	400 V kW	3	2.2	4	5.5
	415 V kW	3	2.2	4	5.5
	500 V kW	-	3	4	5.5
	690 V kW	-	3	4	5.5
le max. AC-3 (Ue) 440 V)		A	6	9	12
Resistive load AC-1		A	20	20	20
Dimensions	width mm	45	45	45	45
	height mm	42	48	48	48
	depth mm	44	56 / 68	56 / 68	56
Aux. contact	integrated	.10 / .01	.10/.01/ .00	.10/.01/ .00	.10/.01 / .00
	front	-	HS 05K 2-/4-pole	HS 05K 2-/4-pole	HS 05K 2-/4-pole
	side	-	HS 05 1-pole	HS 05 1-pole	HS 05 1-pole
Timer	electronic front	-	EV 05	EV 05	EV 05
Transient voltage	RC-module at A1/A2	-	EB 05	EB 05	EB 05
surpressor	diode at A1/A2	-	EB 05	EB 05	EB 05
Interlock	mechanical side	-	VB 05	VB 05	VB 05
Spare coils	AC-operated	-	C 130-XX	C 130-XX	C 130-XX
	DC-operated	-	C 133-XX	C 133-XX	C 133-XX
Accessories for direct installation		HS 05K 2-/4-pole, front +36 mm  HS 05 1-pole, side + 9.8 mm  EB 05, front + 21.5 mm  EV 05, front + 32 mm  VB 05 			
Thermal overload relays AC		Thermal overload relays - direct mount to contactor - separate mount adaptor - 15 overlapping current ranges 			
Type			b 05		
Current rating			0.11 ... 14A		

(1) Only up to 400 V/AC

Order codes ● pg F.8

Overview compact contactors - Series LS...K up to 55 kW

Type		LS 4K	LS 5K	LS 7K	LS 11K	LS 12K
Contactors 3-pole		Screw terminal AC .00/.10/.01 DC .10/.01	Screw terminal AC .00/.10/.01 DC .10/.01	Screw terminal AC .00/.10/.01 DC .10/.01	Screw terminal AC .00/.10/.01 DC .00	Screw terminal AC .10/.01 DC .10/.01
AC Alternating current control DC Direct current control AC/DC control with electronic coil energization						
Contactors 4-pole			LS 5K-4.00 LS 5K-22.00 Screw terminal AC/DC	LS 7K-4.00 LS 7K-22.00 Screw terminal AC/DC	LS 11K-4.00 LS 11K-22.00 Screw terminal AC/DC	
AC Alternating current control DC Direct current control AC/DC control with electronic coil energization						
Main contacts LS...K- 4.00 = 4NO LS...K-22.00 = 2NO + 2NC						
	Contactor style	3-pole	3-pole 4-pole	3-pole 4-pole	3-pole 4-pole	3-pole
Motor rating AC-3 duty, 3~	230 V kW	2.2	3	4	7.5	7.5
	400 V kW	4	5.5	7.5	11	12
	415 V kW	4	5.5	7.5	11	12
	500 V kW	5.5	7.5	10	15	15
	690 V kW	5.5	7.5	10	15	15
Ie max. AC-3 (Ue ≤ 440 V)	A	9	12	18	25	25
Resistive load AC-1	A	25	25	32	45	45
Dimensions without auxiliary contacts	width mm	45	45	45	45/55	55
	high mm	81	81	81	81/87	87
	depth mm	85/115	85/115	85/115	85/115 98/134	98/134
Aux. contact	integrated	.00/.10/.01	.00/.10/.01 .00	.00/.10/.01 .00	.00	10/.01
	front	HS 7K/V	HS 7K/V	HS 7K/V	HS 7K/V	HS 7K/V
	side	HS 8K/R	HS 8K/R	HS 8K/R	HS 8K/R	HS 8K/R
Timer	pneumatic front	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...
	electronic front	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG
Mech. latch	mechanical front	WBK	WBK	WBK	WBK	WBK
Transient voltage suppressor	RC-module at A1/A2	LR 2K	LR 2K	LR 2K	LR 2K	LR 2K
	diode at A1/A2	LDK	LDK	LDK	LDK	LDK
	varistor at A1/A2	LV 3K	LV 3K	LV 3K	LV 3K	LV 3K
Interlock	mechanical side	LUV 18K	LUV 18K	LUV 18K	LUV 18K	LUV 18K
	mech. + electr. side	LUV 18E	LUV 18E	LUV 18E	LUV 18E	LUV 18E
Interface module	at A1/A2	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG
Main contacts	spare	CS 4	CS 5 CS 5C	CS 7 CS 7C	CS 11 CS 11C	
Spare coils	AC-operated	C 650-XX	C 650-XX	C 650-XX	C 650 / 652-XX	C 652-XX
	DC-operated	C 660-XX	C 660-XX	C 660-XX	C 660 / 662-XX	C 662-XX

Accessories for direct installation for contactors type LS 4..K up tot LS 55..K	HS 7K.10 HS 7K.01 HS 7V.10 HS 7V.01 front +29 mm	HS 8K.11 HS 8K.20 HS 8R.11 HS 8R.20 side +12,4 mm	LUV 18K LUV 18E LUV 55K LUV 55E	TMD 30 TMD 60 TMI 30 TMI 60	WBK 24 V WBK 42 V WBK 60 V/DC WBK 110 V WBK 230 V WBK 400 V WBK 500 V
					

Thermal overload relays Thermal overload relays - direct mount to contactor with variable connecting pin locations. - separate mount adaptor. - 17 overlapping current ranges		
Type		b 18K
Current rating		0.16 ... 40 A

Order codes ● pg F.13

LS 15K	LS 18K	LS 22K	LS 30K	LS 37K	LS 45K	LS 55K
Screw terminal Double box termin. AC .00/10/01/11 DC .00	Screw terminal Double box termin. AC .00/11/22 DC .00	Screw terminal Double box termin. AC .00/22 AC/DC .00	Screw terminal Double box termin. AC .00/22 AC/DC .00	Screw terminal Double box termin. AC .00/22 AC/DC .00	Screw terminal Double box termin. AC .00/22 AC/DC .00	Screw terminal Double box termin. AC .00/22 AC/DC .00
						
LS 15K-4.00 LS 15K-22.00 Screw terminal Box termin. AC, AC/DC	LS 18K-4.00 LS 18K-22.00 Screw terminal Double box termin. AC, AC/DC		LS 30K-4.00 LS 30K-22.00 Screw terminal Double box termin. AC, AC/DC	LS 37K-4.00 Screw terminal Double box termin. AC, AC/DC	LS 45K-4.00 Screw terminal Double box termin. AC, AC/DC	LS 55K-4.00 see page F.6
						
3-pole 4-pole	3-pole 4-pole	3-pole	3-pole 4-pole	3-pole 4-pole	3-pole 4-pole	3-pole
9 16	11 18.5	15 22	18.5 30	22 37	25 45	30 55
16 16	22 22	25 25	37 37	45 45	50 50	55 55
18.5 18.5	25 25	30 30	40 40	45 45	55 55	65 65
32 32	40 40	50 50	65 65	80 80	95 95	105 105
60 60	60 90	90 90	110 110	110 110	140 140	140 140
55 55	55 87	66 66	66 87	66 87	75 96	75 75
87 87	55 117.5	117.5 117.5	117.5 117.5	117.5 117.5	117.5 117.5	117.5 117.5
98/134 98/134	98/134 119/147	116/144 116/144	116/144 119/147	116/144 119/147	126/154 126/154	126/154 126/154
.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00	.00 .00
HS 7K/V HS 8K/R	HS 7K/V HS 8K/R	HS 7K/V HS 8K/R	HS 7K/V HS 8K/R	HS 7K/V HS 8K/R	HS 7K/V HS 8K/R	HS 7K/V HS 8K/R
TMD.../TMI...	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...	TMD.../TMI...
BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG	BETL...CG/...DG
WBK	WBK	WBK	WBK	WBK	WBK	WBK
LR 2K	LR 2K	LR 2K / LR 3K	LV 3K	LV 3K	LV 3K	LV 3K
LDK	LDK	LDK / -	-	-	-	-
LV 3K	LV 3K	LV 3K	LV 3K	LV 3K	LV 3K	LV 3K
LUV 18K	LUV 18K LUV 55K	LUV 55K	LUV 55K	LUV 55K	LUV 55K	LUV 55K
LUV 18E	LUV 18E LUV 55E	LUV 55E	LUV 55E	LUV 55E	LUV 55E	LUV 55E
IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG	IMRDG, IMSSDG
CS 15 CS 15C	CS 18 CS 18C	CS 22	CS 30 CS 30C	CS 37 CS 37C	CS 45	CS 55
C 652-XX	C 652 / 653-XX	C 653-XX	C 653-XX	C 653-XX	C 653-XX	C 653-XX
C 662-XX	C 662 / C664-XX	see page F.20	see page F.20	see page F.20	see page F.20	see page F.20

LR 2K
24 ... 48 V/AC
50 ... 127 V/AC
130 ... 250 V/AC

IMRDG relay 24 V
IMSSDG 6 ... 48 V

BETL02CG
BETL45CG

BETL02DG
BETL45DG

LR 3K
24 ... 48 V/AC
50 ... 127 V/AC
130 ... 250 V/AC

LDK
12 ... 600 V/DC

LV 3K (... V AC/DC)
24 ... 48 V/AC/DC
50 ... 127 V/AC/DC
130 ... 250 V/AC/DC



Thermal overload relays
- direct mount to contactor.
- separate mount adaptor
- 10 overlapping current ranges



b 18K⁽¹⁾
0.16 ... 40 A

b 55K
11.5 ... 110 A

(1) Typ LS 18K-4.00 / 22.00 only with separate mounted TOR

Overview compact contactors - Series LS...K 75 up to 450 kW

Type	LS 55K-4	LS 75K	LS 90K	LS 110K	LS 132K	LS 160K
Contactors 3-pole AC Alternating current control AC/DC AC/DC control with electronic coil energization	LS 55K (3-pole) See page F.5	Screw terminal AC .22 AC/DC .11	Screw terminal AC .22 AC/DC .11	Screw terminal AC .22 AC/DC .11	Screw terminal AC/DC .22	Screw terminal AC/DC .22
						
Contactors 4-pole AC Alternating current control AC/DC AC/DC control with electronic coil energization Main contacts: LS ...K-4 = 4NO LS ...K-22 = 2NO + 2NC	LS 55K-4 AC, AC/DC .11 Screw terminal Box termin. AC, AC/DC		LS 90K-4 Screw terminal AC, AC/DC .11		LS 132K-4 Screw terminal AC, AC/DC .11	LS 160K-4 Screw terminal AC, AC/DC .11
						
Contactor style	4-pole	3-pole	3-pole 4-pole	3-pole	3-pole 4-pole	3-pole 4-pole
Motor rating	230 V kW 30 400 V kW 55 415 V kW 55 500 V kW 65 690 V kW 65	45 75 80 100 100	55 90 100 110 132	65 110 125 132 155	75 132 132 160 200	90 160 185 200 250
AC-3 duty, 3~						
Ie max. AC-3 (Ue ≤ 440 V)	A 105	150	185	205	250	309
Resistive load AC-1	A 200	250	250 325	315	315 400	450 500
Dimensions	Width mm 173 Height mm 200 Depth mm 176	135 178 ⁽¹⁾ 165.5	135 253 178 ⁽¹⁾ 270 165.5 246	173 212 208	173 253 212 270 208 246	173 253 212 270 208 246
Aux. contact	integrated	.00	.00	.00	.00	.00
	front	-	-	-	-	-
	side	HS 8K/R	HS 8K/R	HS 8K/R	HS 8K/R	HS 8K/R
Timer	pneumatic	-	-	-	-	-
	front	-	-	-	-	-
	electronic	-	-	-	-	-
	front	-	-	-	-	-
Mech. latch	mechanical	-	-	-	-	-
Transient voltage suppressor	RC-module at A1/A2 Diode at A1/A2 Varistor at A1/A2	LR 5K - LV 3K	LR 3K - LV 3K	LR 3K LS 5K - -	LR 5K - -	- - -
Interlock	mechanical side mech. + electr. side	LUV 375 -	LUV 375H/V -	LUV 375H/V -	LUV 375H/V -	LUV 375H -
Interface module	at A1/A2	-	-	-	-	-
Main contact spares		CS 55F	CS 75	CS 90	CS 110	CS 132
Spare coils	AC-operated DC-operated	C 655-XX AC/DC ⁽²⁾	C 654-XX AC/DC ⁽²⁾	C 654-XX C 656-XX AC/DC ⁽²⁾	C 655-XX AC/DC ⁽²⁾	AC/DC ⁽²⁾ AC/DC ⁽²⁾

Accessories

for direct installation

HS 8K .11
HS 8K .20
HS 8R .11
HS 8R .20
side + 12,4 mm



LR 5K
... 24 V/AC
48 ... 260 V/AC
380 ... 415 V/AC



LUV 375H



(Accessories for type LS 55K-4, LS 75K up to LS 450K)

Thermal overload relays

Only for separate mounting

Thermal overload relays
Direct mount to contactor and separate mounting
5 overlapping current ranges



Thermal overload relays
Separate mounting
Contactor coupling with connection kit
3 overlapping current ranges

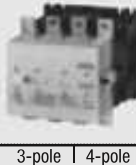
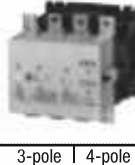


Type	-	b 90K	b 160K
Current rating	-	55...190 A	120...310 A

(1) AC/DC: 182

(2) AC/DC: with electronic modules CM...-XX and coils C...-XX see catalogue page F.29

Order codes ● pg F.13

LS 220K		LS 280K		LS 375K		LS 450K	
Screw terminal AC/DC .22		Screw terminal AC/DC .22		Screw terminal AC/DC .22		Screw terminal AC .22	
							
LS 220K-4 Screw terminal AC/DC .11		LS 280K-4 Screw terminal AC/DC .11		LS 375K-4 Screw terminal AC/DC .11		LS 450K-4 Screw terminal AC .11	
							
3-pole	4-pole	3-pole	4-pole	3-pole	4-pole	3-pole	4-pole
125		160		220		250	
220		280		375		450	
230		315		400		450	
300		400		480		500	
375		450		500		550	
420		550		700		825	
600		700		1000		1250	
160 214		160 214		253 312		464 581	
220		220		270 265		380	
228		228		262 304		327	
.00		.00		.00		.00	
-		-		-		-	
HS 8K/R		HS 8K/R		HS 8K/R		HS 8K/R	
-		-		-		-	
-		-		-		-	
-		-		-		-	
-		-		-		-	
-		-		-		-	
LUV 375H		LUV 375H		LUV 375H/V		LUV 450V	
-		-		-		-	
-		-		-		-	
CS 220		CS 280		CS 375		CS 450	
AC/DC ⁽¹⁾		AC/DC ⁽¹⁾		AC/DC ⁽¹⁾		C 668-XX	
AC/DC ⁽¹⁾		AC/DC ⁽¹⁾		AC/DC ⁽¹⁾		AC/DC ⁽¹⁾	

LUV 375V



LUV 450V

**Thermal overload relays**

Separate mounting
Contactor coupling with connection kit
5 overlapping current ranges

**Thermal overload relays**

Separate mounting
1 range



b 375K
120 ... 700 A

b 450K
500 ... 850 A

(1) AC/DC: with electronic modules CM...-XX and coils C...-XX see catalogue page F.29

(2) with control circuit C 675-XX

AC contactors

Mini-contactors



3P
at 24V DC: 1.2W

4P
at 24V DC: LS 07-4 1.2W
LS 07-22 2.5W

Power rating (kW), AC-3, 3~				Designation	AC operation 230V 50Hz	DC operation 24V DC	Pack.
230V	400V	500V	690V		E-No.	E-No.	
Screw terminal							
1.5	3			LS 07.10	910-302 003-000	910-302 011-000	10
1.5	3			LS 07.01	910-302 023-000	910-302 031-000	10
Screw terminal, Coil with integrated diode							
1.5	3			LS 07.10		910-302 010-000	10
1.5	3			LS 07.01		910-302 090-000	10
Flat plug terminal 1 x 6.3mm							
1.5	3			LS 07.10	910-302 008-000	910-302 016-000	10
1.5	3			LS 07.01	910-302 028-000	910-302 036-000	10
Solder pin terminal 1 x 0.8mm (for soldering to PCB's)							
1.1	1.5			LS 07.10	910-302 103-000	910-302 111-000	10
1.1	1.5			LS 07.01	910-302 108-000	910-302 116-000	10
Screw terminal							
1.5	3			LS 07-4.00	910-302 005-000	910-302 015-000	10
1.5	3			LS 07-22.00	910-302 198-000	910-302 020-000	10
Flat plug terminal 1 x 6.3mm							
1.5	3			LS 07-4.00	910-302 025-000	910-302 035-000	10
Solder pin terminal 1 x 0.8mm (for soldering to PCB's)							
1.1	1.5			LS 07-4.00	910-302 105-000	910-302 115-000	10

E-No. voltage suffix 910 -.- XX0 for contactors type LS 07 (coil not replaceable)

AC-operation	suffix					-88	-86	-8H	-8K	-69			-64	-00	-81	-63	-83	-80
	50 Hz (V)					110	100	115	125	185			220	230	240	380	400	415
	60 Hz (V)					125	115		150	220			255	265	280	440		
AC-operation	suffix	-55	-54	-57	-58			-56	-5C			-68	-5D	-50	-51	-5E	-59	
Double frequency coil	50/60 Hz (V)	24	42	48	110			115	120			200	220	230	240	380	400	
DC-operation (Maximum coil voltage only DC 180V)	suffix	-1A	-1B	-00	-1C	-1D	-1E	-16	-17	-1F	-18	-1G	-14					
	DC (V)	m 6	m 12	m 24	m 30	m 36	m 42	m 48	m 60	m 72	m 110	m 120	m 125					

Remark:

Use suffix only with E-No. of the basic execution, e.g. suffix for DC only with contactors with DC-coil.
On the table of the contactors and the coils, you will find the suffix according to above table, e.g. 110V, 50Hz = suffix -88.
On invoices / order confirmations etc. from our system, the suffix has 3 digits, end digit = 0, e.g. suffix is -880.

Ordering example:

Contactor type LS 07.10 with e.g. standard coil 110V 50Hz E-No 910-302 003-880, e.g. with standard coil DC 48V E-No 910-302 011-160

Price increase:

For contactors from table with designation "m" a price increase has to be considered.

AC contactors

Compact contactors

3P

Up to 6 auxiliary contacts can be added



Power rating (kW), AC-3, 3~				Designation	AC operation 230V 50Hz	DC operation 24V DC	Pack.
230V	400V	500V	690V		E-No.	E-No.	
Screw terminal							
1.5	2.2	3	3	LS 02K.10	910-304 000-000	910-304 005-000	20/10
1.5	2.2	3	3	LS 02K.01	910-304 001-000	910-304 006-000	20/10
3	4	4	4	LS 05.10	910-303 001-000	910-303 101-000	20/10
3	4	4	4	LS 05.01	910-303 002-000	910-303 102-000	20/10
3	5.5	5.5	5.5	LS 06K.10	910-303 400-000	910-303 405-000	20/10
3	5.5	5.5	5.5	LS 06K.01	910-303 401-000	910-303 406-000	20/10
Flat plug terminal 2 x 2.8mm (1 x 6.3/2 x 2.8mm, AC 1: 20A, on request)							
1.5	2.2	3	3	LS 02K.10	910-304 010-000	-	20/-
1.5	2.2	3	3	LS 02K.01	910-304 011-000	-	20/-
3	4	4	4	LS 05.10	910-303 021-000	910-303 121-000	20/10
3	4	4	4	LS 05.01	910-303 022-000	910-303 122-000	20/10
Solder pin terminal 1 x 1mm (for soldering to PCB's)							
1.5	2.2	3	3	LS 02K.10	910-304 020-000	910-304 025-000	20/10
1.5	2.2	3	3	LS 02K.01	910-304 021-000	910-304 026-000	20/10
3	4	4	4	LS 05.10	910-303 031-000	910-303 131-000	20/10
3	4	4	4	LS 05.01	910-303 032-000	910-303 132-000	20/10

Interface contactors 3P

Use no extra auxiliary blocks
only 24V DC / 1.2 W



Interface contactors 3P

Additional 2 auxiliary contacts
max. 24V DC / 2W



Screw terminal				Designation	E-No.	E-No.	Pack.
1.5	2.2	3	3				
1.5	2.2	3	3	LS 02K.01		910-304 027-000	10
3	4	4	4	LS 05.10		910-304 028-000	10
3	4	4	4	LS 05.01		910-303 231-000	10
3	4	4	4	LS 05.01		910-303 232-000	10
Solder pin terminal 1 x 1mm (for soldering to PCB's)							
1.5	2.2	3	3	LS 02K.01		910-304 037-000	10
1.5	2.2	3	3	LS 02K.01		910-304 038-000	10
3	4	4	4	LS 05.10		910-303 206-000	10
3	4	4	4	LS 05.01		910-303 207-000	10
Solder pin terminal 1 x 1mm (for soldering to PCB's)							
1.5	2.2	3	3	LS 02K.01		910-304 048-000	10
3	4	4	4	LS 05.01		910-303 237-000	10

E-No. voltage suffix - 910 -... -XX0 for contactors type LS 02K, LS 05 and LS 06K

AC-operation	suffix				-8E		-86			-8K		-69			-00		-8P		-63		-80	-82
	50 Hz (V)				48					115-					220-				380-		415-	500
										127					240				400		440	
	60 Hz (V)				60		115					208-			240-		380		440		480	600
												220			277							
AC-operation	suffix		-55	-54	-57		-56	-5C					-5D	-50	-51						-59	-53
Double frequency coil	50/60 Hz (V)	24	42	48			110-	120					220	230	240						400	440
							115															
DC-operation	suffix	-1A	-1B	-00	-1C	-1D	-1E	-16	-17	-1F	-18	-1G	-14	-19							-1J	-20
(Maximum coil voltage only 250V/DC)		m	m		m	m	m			m		m									m	m
	DC (V)	6	12	24	32	36	42	48	60	72	110	120	125	220							240	250

Remark:

Use suffix only with E-No. of the basic execution, e.g. suffix for DC only with contactors with DC-coil.

On the table of the contactors and the coils, you will find the suffix according to above table, e.g. 48V, 50 Hz = suffix -8E.

On invoices / order confirmations etc. from our system, the suffix has 3 digits, end digit = 0, e.g. suffix is -8E0.

Ordering example:

Contactor type LS 05.10 with e.g. standard coil 48V 50Hz E-No 910-303 001-850, e.g. standard coil DC 48V E-Nr 910-303 101-160 for contactors from table with designation "m" a price increase has to be considered.



AC contactors

Compact contactors

Power rating (kW), AC-3, 3~				Designation	AC operation 230V 50Hz	DC operation 24V DC	Pack.
230V	400V	500V	690V		E-No.	E-No.	
Screw terminal							
1.5	2.2	3	3	LS 02K-4.00	910-304 050-000	910-304 065-000	20/10
1.5	2.2	3	3	LS 02K-22.00	910-304 051-000	910-304 066-000	20/10
1.5	2.2	3	3	LS 02K-04.00	910-304 052-000		20/10
3	4	4	4	LS 05-4.00	910-303 004-000	910-303 104-000	20/10
3	4	4	4	LS 05-22.00	910-303 005-000	910-303 105-000	20/10
3	4	4	4	LS 05-04.00	910-303 003-000	-	20/10
Flat plug terminal 2 x 2.8mm (1 x 6.3/2 x 2.8 on request)							
1.5	2.2	3	3	LS 02K-4.00	-	910-304 070-000	-/10
3	4	4	4	LS 05-4.00	910-303 024-000	910-303 124-000	20/10
Solder pin terminal 1 x 1mm							
1.5	2.2	3	3	LS 02K-4.00	910-304 060-000	910-304 075-000	20/10
1.5	2.2	3	3	LS 02K-22.00	910-304 061-000	910-304 076-000	20/10
3	4	4	4	LS 05-4.00	-	910-303 134-000	-/10
3	4	4	4	LS 05-22.00	910-303 035-000	910-303 135-000	20/10

E-No. voltage suffix - 910 -... - XX0 for contactors type LS 02K, LS 05 and LS 06K

AC-operation	suffix				-8E	-86		-8K	-69		-00		-8P	-63		-80	-82
	50 Hz (V)				48			115-			220-			380-		415-	500
								127			240			400		440	
	60 Hz (V)				60	115			208-		240-		380	440		480	600
									220		277						
AC-operation	suffix			-55	-54	-57	-56	-5C			-5D	-50	-51			-59	-53
Double frequency coil	50/60 Hz (V)		24	42	48		110-	120			220	230	240			400	440
							115										
DC-operation	suffix	-1A	-1B	-00	-1C	-1D	-1E	-16	-17	-1F	-18	-1G	-14	-19		-1J	-20
(Maximum coil voltage only 250V/DC)		m	m		m	m	m			m		m				m	m
	DC (V)	6	12	24	32	36	42	48	60	72	110	120	125	220		240	250

Remark:

Use suffix only with E-No. of the basic execution, e.g. suffix for DC only with contactors with DC-coil.

On the table of the contactors and the coils, you will find the suffix according to above table, e.g. 48V, 50 Hz = suffix -8E.

On invoices / order confirmations etc. from our system, the suffix has 3 digits, end digit = 0, e.g. suffix is -8E0.

Ordering example:

Contactors type LS 05.4.00 with e.g. standard coil 48V 50Hz E-No 910-303 004-850, e.g. standard coil DC 48V E-Nr 910-303 104-160 for contactors from table with designation "m" a price increase has to be considered.