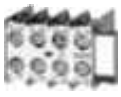
Overview mini and compact contactors - Series LS and LS...K up to 5,5 kW

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	
	Contactor style	**3-pole**	**3-pole / 4-pole**	**3-pole / 4-pole**	**3-pole**
Motor rating **AC-3 duty, 3~**	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
Ie max. AC-3 (Ue) 440 V)	A	7.3(1)	6	9	12
Resistive load AC-1	A	16	20	20	20
Dimensions	width mm	45	45	45	45
without auxiliary contacts	high mm	42	48	48	48
	depth mm	44	56 / 68	56 / 68	56
Aux. contact	integrated	.10 / .01	.10/.01l .00	.10/.01l .00	.10/.01 l .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 surpressor	RC-module at A1/A2	-	**EB 05**	**EB 05**	**EB 05**
	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 overlappingcurrent 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 **AC Alternating current control** DC Direct current control AC/DC control with electronic coil energization			**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**
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 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**	
	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
	higth	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

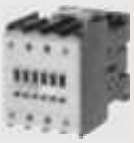
HS 7K.10 **HS 7K**.01 **HS 7V**.10 **HS 7V**.01 front +29 mm	**HS 8K**.11 **HS 8K**.20 **HS 8R**.11 **HS 8R**.20 side +12,4 mm	**LUV 18K** **LUV 18E** **LUV 55K** **LUV 55E**	**TMD 30** **TMD 60** **TMI 30** **TMI 60**	**WBK** 24 V **WBK** 42 V **WBK** 60 V/DC **WBK** 110 V **WBK** 230 V **WBK** 400 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**	**LS5 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	11	15	18.5	22	25	30
16	**18.5**	**22**	**30**	**37**	**45**	**55**
16	22	25	37	45	50	55
18.5	25	30	40	45	55	65
18.5	30	35	45	45	55	65
32	40	50	65	80	95	105
60	60 | 90	90	110	110	140	140
55	55 | 87	66	66 | 87	66 | 87	75 | 96	75
87	55 | 117.5	117.5	117.5	117.5	117.5	117.5
98/134	98/134 | 119/147	116/144	116/144 | 119/147	116/144 | 119/147	126/154	126/154
.00	.00	.00	.00	.00	.00	.00
HS 7K/V	**HS 7K/V**	**HS 7K/V**	**HS 7K/V**	**HS 7K/V**	**HS 7K/V**	**HS 7K/V**
HS 8K/R	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**	**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	45	55	65	75	90
AC-3 duty, 3~		**400 V kW**	**55**	**75**	**90**	**110**	**132**	**160**
		415 V kW	55	80	100	125	132	185
		500 V kW	65	100	110	132	160	200
		690 V kW	65	100	132	155	200	250
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	135	135 | 253	173	173 | 253	173 | 253
without auxiliary contacts		Higth mm	200	178[1]	178[1] | 270	212	212 | 270	212 | 270
LS 75K ... LS 450K with .22		Depth mm	176	165.5	165.5 | 246	208	208 | 246	208 | 246
Aux. contact		integrated	.00	.00	.00	.00	.00	.00
		front	-	-	-	-	-	-
		side	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**	**HS 8K/R**
Timer	pneumatic	front	-	-	-	-	-	-
	electronic	front	-	-	-	-	-	-
Mech. latch	mechanical	front	-	-	-	-	-	-
Transient voltage suppressor	RC-module	at A1/A2	**LR 5K**	**LR 3K**	**LR 3K** | **LS 5K**	**LR 5K**	-	-
	Diode	at A1/A2	-	-	-	-	-	-
	Varistor	at A1/A2	**LV 3K**	**LV 3K**	**LR 3K** | -	-	-	-
Interlock	mechanical	side	**LUV 375**	**LUV 375H/V**	**LUV 375H/V**	**LUV 375H/V**	**LUV 375H/V**	**LUV 375H**
	mech. + electr.	side	-	-	-	-	-	-
Interface module		at A1/A2	-	-	-	-	-	-
Main contact spares			**CS 55F**	**CS 75**	**CS 90**	**CS 110**	**CS 132**	**CS 160**
Spare coils	AC-operated		**C 655**-XX	**C 654**-XX	**C 654**-XX | **C 656**-XX	**C 655**-XX	**AC/DC**[2]	**AC/DC**[2]
	DC-operated		**AC/DC**[2]	**AC/DC**[2]	**AC/DC**[2]	**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 seperate 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

b 375K
120 ··· 700 A

Thermal overload relays
Separate mounting
1 range

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

Power rating (kW), AC-3, 3~ 230V	400V	500V	690V	Designation	AC operation 230V 50Hz E-No.	DC operation 24V DC E-No.	Pack.
3P							
at 24V DC: 1.2W							
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
4P							
at 24V DC: LS 07-4 1.2W							
LS 07-22 2.5W							
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	**suffix**	**-1A**	**-1B**	**-00**	**-1C**	**-1D**	**-1E**	**-16**	**-17**	**-1F**	**-18**	**-1G**	**-14**					
(Maximum coil voltage		m	m		m	m	m			m		m						
only DC 180V)	DC (V)	6	12	24	30	36	42	48	60	72	110	120	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 lable 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

Screw terminal							
1.5	2.2	3	3	LS 02K.10		910-304 027-000	10
1.5	2.2	3	3	LS 02K.01		910-304 028-000	10
3	4	4	4	LS 05.10		910-303 231-000	10
3	4	4	4	LS 05.01		910-303 232-000	10

Interface contactors 3P
Additional 2 auxiliary contacts
max. 24V DC / 2W

Screw terminal							
1.5	2.2	3	3	LS 02K.10		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		m	m		m	m	m			m		m				m	m	
only 250V/DC)	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 lable 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

4P
Up to 6 auxiliary contacts can be added

Power rating (kW), AC-3, 3~					AC operation 230V 50Hz	DC operation 24V DC	
230V	400V	500V	690V	Designation	E-No.	E-No.	Pack.
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		m	m		m	m	m			m		m				m	m	
only 250V/DC)	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 lable 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 05.4.00 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.