

# TeSys contactors

Reversing contactors for motor control, 6 to 16 A in category AC-3 and 6 to 12 A in category AC-4  
Control circuit: a.c.

Reversing contactor selection according to utilisation category, see pages 5/194 to 5/197 and 5/200 to 5/203. Integral mechanical interlock.

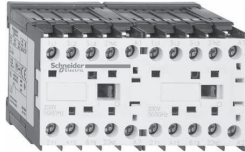
**It is essential to link the contacts of the electrical interlock.**

Pre-wired power circuit connections as standard on screw clamp versions.

Mounting on 35 mm rail or Ø 4 screw fixing. Screws in the open "ready-to-tighten" position.

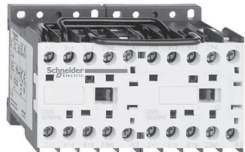
Add-on auxiliary contact blocks and accessories, see pages 5/22 to 5/25.

51147



LC2 K0910●●

51148



LC2 K09105●●

### 3-pole reversing contactors for standard applications

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3			Rated operational current in category AC-3 440V up to	Instan- taneous auxiliary contacts per contactor	Basic reference, to be completed by adding the voltage code (1) (2)	Weight
220 V	380 V	440/500 V				
230 V	415 V	660/690 V				
kW	kW	kW	A			kg
Screw clamp connections						
1.5	2.2	3	6	1 –	LC2 K0610●●	0.390
				– 1	LC2 K0601●●	0.390
2.2	4	4	9	1 –	LC2 K0910●●	0.390
				– 1	LC2 K0901●●	0.390
3	5.5	4 (> 440)	12	1 –	LC2 K1210●●	0.390
		5.5 (440)		– 1	LC2 K1201●●	0.390
4	7.5	4 (> 440)	16	1 –	LC2 K1610●●	0.390
		5.5 (440)		– 1	LC2 K1601●●	0.390

#### Spring terminal connections

For 6 to 12 A ratings only, in the references selected above, insert a figure 3 before the voltage code.

Example: LC2 K0610●● becomes LC2 K06103●●.

#### Faston connectors, 1 x 6.35 or 2 x 2.8

For 6 to 16 A ratings, in the references selected above, insert a figure 7 before the voltage code.

Example: LC2 K0610●● becomes LC2 K06107●●.

#### Solder pins for printed circuit boards

For 6 to 16 A ratings, in the references selected above, insert a figure 5 before the voltage code.

Example: LC2 K0610●● becomes LC2 K06105●●.

### 3-pole silent reversing contactors

Recommended for use in areas sensitive to noise, high interference mains supplies, etc.  
Coil with rectifier incorporated, suppressor fitted as standard.

#### Screw clamp connections

1.5	2.2	3	6	1 –	LC8 K0610●●	0.480
				– 1	LC8 K0601●●	0.480
2.2	4	4	9	1 –	LC8 K0910●●	0.480
				– 1	LC8 K0901●●	0.480
3	5.5	4 (> 440)	12	1 –	LC8 K1210●●	0.480
		5.5 (440)		– 1	LC8 K1201●●	0.480

#### Faston connectors, 1 x 6.35 or 2 x 2.8

In the references selected above, insert a figure 7 before the voltage code.

Example: LC8 K0610●● becomes LC8 K06107●●.

#### Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.

Example: LC8 K0610●● becomes LC8 K06105●●.

(1) Standard control circuit voltages (for other voltages, please consult your Regional Sales Office):

#### a.c. supply

##### Reversing contactors LC2 K (0.8...1.15 Uc) (0.85...1.1 Uc)

Volts	12	20	24 (2)	36	42	48	110	115	120	127	200/208	220/230	230	230/240
50/60 Hz	J7	Z7	B7	C7	D7	E7	F7	FE7	G7	FC7	L7	M7	P7	U7
Volts	256	277	380/400	400	400/415	440	480	500	575	600	660/690			
50/60 Hz	W7	UE7	Q7		V7	N7		R7	T7	S7	SC7	X7	Y7	

Up to and including 240 V, coil with integral suppression device available: add 2 to the code required. Example: J72

##### Reversing contactors LC8 K (0.8...1.1 Uc)

Volts	24	42	48	110	115	220	230/240
50/60 Hz	B7	D7	E7	F7	FE7	M7	U7

(2) For mains supplies with a high level of interference (voltage surge > 800 V), use a suppressor module LA4 KE1FC (50...129 V) or LA4 KE1UG (130...250 V), see page 5/24.

# TeSys contactors

Reversing contactors for motor control, 6 to 12 A  
in categories AC-3 and AC-4  
Control circuit: d.c. or low consumption

Reversing contactor selection according to utilisation category, see pages 5/194 to 5/197 and 5/200 to 5/203.  
Integral mechanical interlock.  
**It is essential to link the contacts of the electrical interlock.**  
Pre-wired power circuit connections as standard on screw clamp versions.  
Mounting on 35 mm rail or Ø 4 screw fixing.  
Screws in the open "ready-to-tighten" position.  
Add-on auxiliary contact blocks and accessories, see pages 5/22 to 5/25

3-pole reversing contactors, d.c. supply						
Standard power ratings of 3-phase motors 50-60 Hz in category AC-3			Rated operational current in category AC-3 440V up to	Instantaneous auxiliary contacts per contactor	Basic reference, to be completed by adding the voltage code (1) (2)	Weight
220 V	380 V	440/500 V				
230 V	415 V	660/690 V				
kW	kW	kW	A			kg
<b>Screw clamp connections</b>						
1.5	2.2	3	6	1 –	LP2 K0610●●	0.480
				– 1	LP2 K0601●●	0.480
2.2	4	4	9	1 –	LP2 K0910●●	0.480
				– 1	LP2 K0901●●	0.480
3	5.5	4 (> 440)	12	1 –	LP2 K1210●●	0.480
		5.5 (440)		– 1	LP2 K1201●●	0.480

**Spring terminal connections**  
In the references selected above, insert a figure 3 before the voltage code.  
Example: LP2 K0610●● becomes LP2 K06103●●.

**Faston connectors, 1 x 6.35 or 2 x 2.8**  
In the references selected above, insert a figure 7 before the voltage code.  
Example: LC2 K0610●● becomes LC2 K06107●●.

**Solder pins for printed circuit boards**  
For 6 to 16 A ratings, in the references selected above, insert a figure 5 before the voltage code.  
Example: LC2 K0610●● becomes LC2 K06105●●.

**3-pole low consumption reversing contactors**  
Compatible with programmable controller outputs.  
LED indicator incorporated (except models LP5-K●●●●FW3 and LP5-K●●●●GW3).  
Wide range coil (0.7...1.30 Uc), suppressor fitted as standard, consumption 1.8 W.

Screw clamp connections						
1.5	2.2	3	6			0.490
				1 –	LP5 K0610●●	0.490
				– 1	LP5 K0601●●	0.490
2.2	4	4	9	1 –	LP5 K0910●●	0.490
				– 1	LP5 K0901●●	0.490
3	5.5	4 (> 440)	12	1 –	LP5 K1210●●	0.490
		5.5 (440)		– 1	LP5 K1201●●	0.490

**Spring terminal connections**  
In the references selected above, insert a figure 3 before the voltage code.  
Example: LP5 K0610●● becomes LP5 K06103●●.

**Faston connectors, 1 x 6.35 or 2 x 2.8**  
In the references selected above, insert a figure 7 before the voltage code.  
Example: LP5 K0610●● becomes LP5 K06107●●.

**Solder pins for printed circuit boards**  
In the references selected above, insert a figure 5 before the voltage code.  
Example: LP5 K0610●● becomes LP5 K06105●●.

(1) Standard control circuit voltages (for other voltages, please consult your Regional Sales Office):

d.c. supply																			
Reversing contactors LP2 K (0.8...1.15 Uc)																			
Volts	12	20	24 (3)	36	48	60	72	100	110	125	155	174	200	220	230	240	250		
Code	JD	ZD	BD	CD	ED	ND	SD	KD	FD	GD	PD	QD	LD	MD	MPD	MUD	UD		
Coil with integral suppression device available: add 3 to the code required. Example: JD3.																			

Low consumption							
Reversing contactors LP5 K (0.7...1.30 Uc)							
Volts	12	20	24	48	72	110	120
Code	JW3	ZW3	BW3	EW3	SW3	FW3	GW3

(2) For LP2 K only, when connecting an electronic sensor or timer in series with the contactor coil, select a 20 V coil (~ control circuit voltage code Z7, ~ control circuit voltage code ZD) so as to compensate for the incurred voltage drop.

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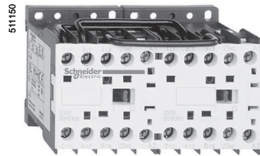
## Reversing contactors for control in category AC-1, 20 A

Control circuit: a.c.

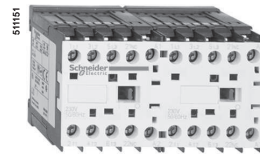
**Warning: reversing contactors LC2 K0910●● and LC2 K0901●● are pre-wired for reverse motor operation as standard.** Reversing contactor selection according to utilisation category, see pages 5/198 and 5/199.

Integral mechanical interlock.  
It is essential to link the contacts of the electrical interlock.

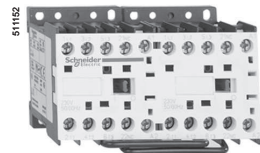
Mounting on 35 mm rail or Ø 4 screw fixing.  
Screws in the open "ready-to-tighten" position.  
Add-on auxiliary contact blocks and accessories, see pages 5/22 to 5/25.



LC2 K0910●●



LC2 K09105●●



LC2 K09004●●

### 3 or 4-pole reversing contactors for standard applications (1)

Non-inductive loads Category AC-1 Maximum current at θ ≤ 50 °C	Number of poles	Instantaneous auxiliary contacts per contactor	Basic reference, to be completed by adding the voltage code (2) (3)	Weight		
<b>A</b>				<b>kg</b>		
<b>Screw clamp connections</b>						
20	3	–	1	–	LC2 K0910●●	0.390
				or	LC2 K1210●●	0.390
	3	–	–	1	LC2 K0901●●	0.390
				or	LC2 K1201●●	0.390
	4	–	–	–	LC2 K09004●●	0.380
				or	LC2 K12004●●	0.380

#### Spring terminal connections

In the references selected above, insert a figure 3 before the voltage code.  
Example: LC2 K0910●● becomes LC2 K09103●●.

#### Faston connectors, 1 x 6.35 or 2 x 2.8

In the references selected above, insert a figure 7 before the voltage code.  
Example: LC2 K0910●● becomes LC2 K09107●●.

#### Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.  
Example: LC2 K0910●● becomes LC2 K09105●●.

### 3 or 4-pole silent reversing contactors (1)

Recommended for use in areas sensitive to noise, high interference mains supplies, etc.  
Coil with rectifier incorporated, suppressor fitted as standard.

#### Screw clamp connections

20	3	–	1	–	LC8 K0910●●	0.480
				or	LC8 K1210●●	0.480
	3	–	–	1	LC8 K0901●●	0.480
				or	LC8 K1201●●	0.480
	4	–	–	–	LC8 K09004●●	0.470
				or	LC8 K12004●●	0.470

#### Faston connectors, 1 x 6.35 or 2 x 2.8

In the references selected above, insert a figure 7 before the voltage code.  
Example: LC8 K0910●● becomes LC8 K09107●●.

#### Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.  
Example: LC8 K0910●● becomes LC8 K09105●●.

(1) Selection between 9 and 12 A ratings according to number of operating cycles, see AC-1 curve on page 5/198.  
(2) Standard control circuit voltages (for other voltages, please consult your Regional Sales Office):

#### a.c. supply

##### Reversing contactors LC2 K (0.8...1.15 Uc) (0.85...1.1 Uc)

Volts	12	20	24 (3)	36	42	48	110	115	120	127	200/208	220/230	230	230/240
50/60 Hz	J7	Z7	B7	C7	D7	E7	F7	FE7	G7	FC7	L7	M7	P7	U7
Volts	256	277	380/400	400	400/415	440	480	500	575	600	660/690			
50/60 Hz	W7	UE7	Q7		V7	N7		R7	T7	S7	SC7	X7	Y7	

Up to and including 240 V, coil with integral suppression device available: add 2 to the code required. Example: J72.

##### Reversing contactors LC8 K (0.8...1.1 Uc)

Volts	24	42	48	110	115	220	230/240	
50/60 Hz	B7		D7	E7	F7	FE7	M7	U7

(3) For mains supplies with a high level of interference (voltage surge > 800 V), use a suppressor module LA4 KE1FC (50...129 V) or LA4 KE1UG (130...250 V), see page 5/24.