TeSys contactors

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.

LC1 K0910●●

Contactor selection according to utilisation category, see pages 24565/2 to 24565/5 and 24566/2 to 24566/5.
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 24406/2 to 24406/5.

3-pole contactors for standard applications

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3			Rated operational current in category AC-3 440 V up to	Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code *(1) (2)*	Weight
220 V 230 V	380 V 415 V	440/500 V 660/690 V					
kW	kW	kW	A				kg
Screw clamp connections							
1.5	2.2	3	**6**	1	–	**LC1 K0610●●**	0.180
				–	1	**LC1 K0601●●**	0.180
2.2	4	4	**9**	1	–	**LC1 K0910●●**	0.180
				–	1	**LC1 K0901●●**	0.180
3	5.5	4 (> 440)	**12**	1	–	**LC1 K1210●●**	0.180
		5.5 (440)		–	1	**LC1 K1201●●**	0.180
4	7.5	4 (> 440)	**16**	1	–	**LC1 K1610●●**	0.180
		5.5 (440)		–	1	**LC1 K1601●●**	0.180

LC1 K09103●●

Spring terminal connections

For 6 to 12 A ratings only, in the references selected above, insert a figure **3** before the voltage code.
Example: **LC1 K0610●●** becomes **LC1 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: **LC1 K0610●●** becomes **LC1 K06107●●**.

LC1 K09107●●

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: **LC1 K0610●●** becomes **LC1 K06105●●**.

3-pole silent 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	–	**LC7 K0610●●**	0.225
				–	1	**LC7 K0601●●**	0.225
2.2	4	4	**9**	1	–	**LC7 K0910●●**	0.225
				–	1	**LC7 K0901●●**	0.225
3	5.5	4 (> 440)	**12**	1	–	**LC7 K1210●●**	0.225
		5.5 (440)		–	1	**LC7 K1201●●**	0.225

LC1 K09105●●

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: **LC7 K0610●●** becomes **LC7 K06107●●**.

Solder pins for printed circuit boards

In the references selected above, insert a figure **5** before the voltage code.
Example: **LC7 K0610●●** becomes **LC7 K06105●●**.

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

a.c. supply

Contactors LC1 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**.

Contactors LC7 K (0.85…1.1 Uc)

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

LC7 K0910●●

(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 24406/4.

Selection : pages 24565/2 and 24566/5
Characteristics : pages 24401/2 to 24401/5
Dimensions : page 24407/2
Schemes : page 24407/3

TeSys contactors

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

LP1 K0910●●

LP1 K09103●●

LP1 K09107●●

LP1 K09105●●

LP4 K0910●●

Contactor selection according to utilisation category, see pages 24565/2 to 24565/5 and 24566/2 to 24566/5.
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 24406/2 to 24406/5.

3-pole contactors, d.c. supply

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3			Rated operational current in category AC-3 440 V up to	Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code *(1) (2)*	Weight
220 V 230 V	380 V 415 V	440/500 V 660/690 V					
kW	kW	kW	A				kg
Screw clamp connections							
1.5	2.2	3	**6**	1	–	**LP1 K0610●●**	0.225
				–	1	**LP1 K0601●●**	0.225
2.2	4	4	**9**	1	–	**LP1 K0910●●**	0.225
				–	1	**LP1 K0901●●**	0.225
3	5.5	4 (> 440)	**12**	1	–	**LP1 K1210●●**	0.225
		5.5 (440)		–	1	**LP1 K1201●●**	0.225

Spring terminal connections

In the references selected above, insert a figure **3** before the voltage code.
Example: **LP1 K0610●●** becomes **LP1 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: **LP1 K0610●●** becomes **LP1 K06107●●**.

Solder pins for printed circuit boards

In the references selected above, insert a figure **5** before the voltage code.
Example: **LP1 K0610●●** becomes **LP1 K06105●●**.

3-pole low consumption contactors

Compatible with programmable controller outputs.
LED indicator incorporated (except models **LP4 K●●●●FW3** and **LP4 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**	1	–	**LP4 K0610●●**	0.235
				–	1	**LP4 K0601●●**	0.235
2.2	4	4	**9**	1	–	**LP4 K0910●●**	0.235
				–	1	**LP4 K0901●●**	0.235
3	5.5	4 (> 440)	**12**	1	–	**LP4 K1210●●**	0.235
		5.5 (440)		–	1	**LP4 K1201●●**	0.235

Spring terminal connections

In the references selected above, insert a figure **3** before the voltage code.
Example: **LP4 K0610●●** becomes **LP4 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: **LP4 K0610●●** becomes **LP4 K06107●●**.

Solder pins for printed circuit boards

In the references selected above, insert a figure **5** before the voltage code.
Example: **LP4 K0610●●** becomes **LP4 K06105●●**.

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

d.c. supply (contactors LP1 K: 0.8*1.15 Uc)																	
Volts	**12**	**20**	**24**	**(2)**	**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 (contactors LP4 K: 0.7*130 Uc)							
Volts	**12**	**20**	**24**	**48**	**72**	**110**	**120**
Code	JW3	ZW3	BW3	EW3	SW3	FW3	GW3

(2) For LP1 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.

Selection : pages 24565/2 and 24566/5
Characteristics : pages 24401/2 to 24401/5
Dimensions : page 24407/2
Schemes : page 24407/3