

TeSys contactors

Contactors for control in category AC-1, 20 A
Control circuit: a.c.

Contactor selection according to utilisation category, see pages 24561/2 and 24565/3.
Mounting on 35 mm \bar{r} rail or \varnothing 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.



LC1 K09004●●



LC1 K09103●●



LC1 K09107●●



LC1 K09004●●

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

Non-inductive loads Category AC-1 Maximum current at $\theta \leq 50^\circ\text{C}$	Number of poles	Instantaneous auxiliary contacts	Basic reference, to be completed by adding the voltage code (2) (3)	Weight
				kg
Screw clamp connections				
20	3	-	1 -	LC1 K0910●● 0.180 or LC1 K1210●● 0.180
	3	-	- 1	LC1 K0901●● 0.180 or LC1 K1201●● 0.180
	4	-	- -	LC1 K09004●● 0.180 or LC1 K12004●● 0.180
	2	2	- -	LC1 K09008●● 0.180

Spring terminal connections

In the references selected above, insert a figure 3 before the voltage code.
Example: LC1 K0910●● becomes LC1 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: LC1 K0910●● becomes LC1 K09107●●.

Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.
Example: LC1 K0910●● becomes LC1 K09105●●.

3 or 4-pole silent 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	-	LC7 K0910●● 0.225 or LC7 K1210●● 0.225
	3	-	-	1	LC7 K0901●● 0.225 or LC7 K1201●● 0.225
	4	-	-	-	LC7 K09004●● 0.225 or LC7 K12004●● 0.225
	2	2	-	-	LC7 K09008●● 0.225

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 K0910●● becomes LC7 K09107●●.

Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.
Example: LC7 K0910●● becomes LC7 K09105●●.

(1) Selection between 9 and 12 A ratings according to number of operating cycles, see AC-1 curve on page 24561/2.
(2) 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 (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.

Contactors LC7 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 24406/4.

TeSys contactors

Contactors for control in category AC-1, 20 A
Control circuit: d.c. or low consumption

Contactor selection according to utilisation category, see pages 24561/2 and 24561/3.
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.



LC1 K09004●●



LC1 K09103●●



LC1 K09105●●



LC1 K09004●●

3 and 4-pole contactors, d.c. supply (1)

Non-inductive loads Category AC-1 Maximum current at $\theta \leq 50^\circ\text{C}$	Number of poles	Instantaneous auxiliary contacts	Basic reference, to be completed by adding the voltage code (2) (3)	Weight		
A				kg		
Screw clamp connections						
20	3	–	1	–	LP1 K0910●●	0.225
					or LP1 K1210●●	0.225
	3	–	–	1	LP1 K0901●●	0.225
					or LP1 K1201●●	0.225
	4	–	–	–	LP1 K09004●●	0.225
					or LP1 K12004●●	0.225
	2	2	–	–	LP1 K09008●●	0.225

Spring terminal connections

In the references selected above, insert a figure 3 before the voltage code.
Example: LP1 K0910●● becomes LP1 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: LP1 K0910●● becomes LP1 K09107●●.

Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.
Example: LP1 K0910●● becomes LP1 K09105●●.

3 or 4-pole low consumption contactors (1)

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						
20	3	–	1	–	LP4 K0910●●●	0.235
					or LP4 K1210●●●	0.235
	3	–	–	1	LP4 K0901●●●	0.235
					or LP4 K1201●●●	0.235
	4	–	–	–	LP4 K09004●●●	0.235
					or LP4 K12004●●●	0.235
	2	2	–	–	LP4 K09008●●●	0.235

Spring terminal connections

In the references selected above, insert a figure 3 before the voltage code.
Example: LP4 K0910●● becomes LP4 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: LP4 K0910●● becomes LP4 K09107●●.

Solder pins for printed circuit boards

In the references selected above, insert a figure 5 before the voltage code.
Example: LP4 K0910●● becomes LP4 K09105●●.

(1) Selection between 9 and 12 A ratings according to number of operating cycles, see AC-1 curve on page 24561/2.
(2) 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 (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 (contactors LP4 K: 0.7*1.30 Uc)

Volts ---	12	20	24	48	72	110	120
Code	JW3	ZW3	BW3	EW3	SW3	FW3	GW3

(3) 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.