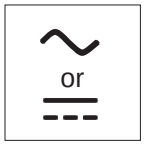
Mini control relays

K control relays
Control circuit : a.c. or d.c.

References



1



CA2-KN40●●



CA3-KN407●●

Mini control relays

- Mounted on 35 mm ⎓ rail or Ø 4 mm screw fixing.
- Screws in open “ready-to-tighten” position.

Control circuit		Type of connection	Auxiliary contacts		Basic reference. Complete with code indicating control circuit voltage (2)	Weight
Supply	Consumption		N/O	N/C		kg
a.c.	4.5 VA	Screw clamp	4	–	**CA2-KN40●●**	0.180
			3	1	**CA2-KN31●●**	0.180
			2	2	**CA2-KN22●●**	0.180
		Faston 1 x 6.35 or 2 x 2.8	4	–	**CA2-KN407●●**	0.180
			3	1	**CA2-KN317●●**	0.180
			2	2	**CA2-KN227●●**	0.180
		Solder pins for printed circuit board	4	–	**CA2-KN405●●**	0.210
			3	1	**CA2-KN315●●**	0.210
			2	2	**CA2-KN225●●**	0.210
d.c.	2.4 W	Screw clamp	4	–	**CA3-KN40●●**	0.225
			3	1	**CA3-KN31●●**	0.225
			2	2	**CA3-KN22●●**	0.225
		Faston 1 x 6.35 or 2 x 2.8	4	–	**CA3-KN407●●**	0.225
			3	1	**CA3-KN317●●**	0.225
			2	2	**CA3-KN227●●**	0.225
		Solder pins for printed circuit board	4	–	**CA3-KN405●●**	0.255
			3	1	**CA3-KN315●●**	0.255
			2	2	**CA3-KN225●●**	0.255

Low consumption mini control relays

- Compatible with PLC outputs.
- LED operation indicator incorporated.
- Wide range coil (0.7...1.30 Uc), suppressor fitted as standard.
- Mounting on 35 mm ⎓ rail or Ø 4 mm screw fixing.
- Screws in open “ready-to-tighten” position.

d.c.	1.5 W	Screw clamp	4	–	**CA4-KN40●●●**	0.235
			3	1	**CA4-KN31●●●**	0.235
			2	2	**CA4-KN22●●●**	0.235
		Faston 1 x 6.35 or 2 x 2.8	4	–	**CA4-KN407●●●**	0.235
			3	1	**CA4-KN317●●●**	0.235
			2	2	**CA4-KN227●●●**	0.235
		Solder pins for printed circuit board	4	–	**CA4-KN405●●●**	0.265
			3	1	**CA4-KN315●●●**	0.265
			2	2	**CA4-KN225●●●**	0.265

(2) Standard control circuit voltages (for other voltages, please consult your Regional customer centre).

CA2-K mini control relays (0.8...1.15 Uc) *(0.85...1.1 Uc)*

Volts ∿ 50/60 Hz	**12**	**24**	**36**	**42**	**48**	**110**	**127**	***220/ 230***	**230**	***230/ 240***	***380/ 400***	**400**	***400/ 415***	**440**	**500**	***660/ 690***
Code	J7	B7	C7	D7	E7	F7	FC7	*M7*	P7	*U7*	*Q7*	V7	*N7*	R7	S7	*Y7*

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

CA3-K mini control relays (0.8...1.15 Uc)

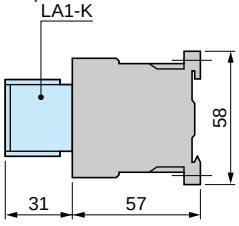
Volts ⎓	**12**	**20**	**24**	**36**	**48**	**60**	**72**	**100**	**110**	**125**	**200**	**220**	**230**	**240**	**250**
Code	JD	ZD	BD	CD	ED	ND	SD	KD	FD	GD	LD	MD	MPD	MUD	UD

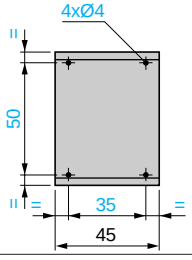
Coil with integral suppression device available: add **3** to the code required. Example: **JD3**.

CA4-K, low consumption mini control relays (wide range coil: 0.7...1.3 Uc)

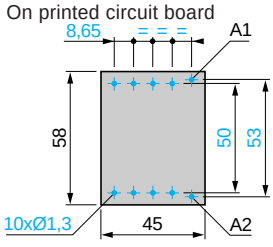
Volts ⎓	**12**	**24**	**48**	**72**
Code	JW3	BW3	EW3	SW3

Mini control relays
CA2-K, CA3-K, CA4-K
On panel





On printed circuit board



K control relays
Instantaneous and time delay auxiliary contact blocks

References

Instantaneous auxiliary contact blocks



LA1-KN40

Clip-on front mounting, 1 block per mini control relay

Type of connection	Composition N/O	Composition N/C	Reference		Weight kg
Screw clamp	2	–	**LA1-KN20**		0.045
	–	2	**LA1-KN02**	(1)	0.045
	1	1	**LA1-KN11**	(2)	0.045
	4	–	**LA1-KN40**	(3)	0.045
	3	1	**LA1-KN31**	(3)	0.045
	2	2	**LA1-KN22**	(3)	0.045
	1	3	**LA1-KN13**	(4)	0.045
	–	4	**LA1-KN04**	(5)	0.045
Faston 1 x 6.35 or 2 x 2.8	2	–	**LA1-KN207**		0.045
	–	2	**LA1-KN027**		0.045
	1	1	**LA1-KN117**		0.045
	4	–	**LA1-KN407**	(3)	0.045
	3	1	**LA1-KN317**	(3)	0.045
	2	2	**LA1-KN227**	(3)	0.045
	1	3	**LA1-KN137**	(3)	0.045
	–	4	**LA1-KN047**	(3)	0.045

(1) Cannot be used on control relays : CA4-KN22, CA4-KN31.
(2) Cannot be used on control relays : CA4-KN22.
(3) Cannot be used on control relays : CA4-KN●●●●●.
(4) Cannot be used on control relays : CA3-KN22, CA4-KN●●●●●.
(5) Cannot be used on control relays : CA3-KN22, CA3-KN31, CA4-KN●●●●●.

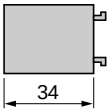
Electronic time delay contact blocks

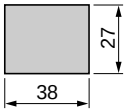
- Relay output with common point changeover contact, 2 A maximum
- Control voltage : ∿ or ⎓ 24...48 V, ∿ 110...240 V, 0.85...1.1 Uc
- Maximum switching capacity : 250 VA or 150 W
- Operating temperature : - 10...+ 60 °C
- Reset time : 1.5 s during the time delay period, 0.5 s after the time delay period.

Clip-on front mounting, 1 block per mini control relay

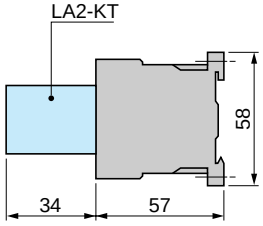
Voltage V	Type	Timing range s	Composition C/O	Reference	Weight kg
∿ or ⎓ 24...48	On-delay	1...30	1	**LA2-KT2E**	0.040
∿ 110...240	On-delay	1...30	1	**LA2-KT2U**	0.040

Electronic time delay blocks
LA2-KT



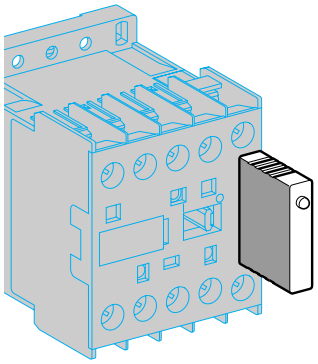


On mini control relays



K control relays
Suppressor modules incorporating LED indicator

References

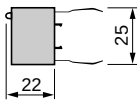


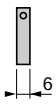
LA4-K●●●

Mounting and connection	Type	For voltages	Sold in lots of	Unit reference	Weight kg
Clips onto front of relay with locating device.	Varistor (1)	∿ and ⎓ 12...24 V	5	**LA4-KE1B**	0.010
		∿ and ⎓ 32...48 V	5	**LA4-KE1E**	0.010
		∿ and ⎓ 50...129 V	5	**LA4-KE1FC**	0.010
		∿ and ⎓ 130...250 V	5	**LA4-KE1UG**	0.010
	Diode + Zener diode (2)	⎓ 12...24 V	5	**LA4-KC1B**	0.010
		⎓ 32...48 V	5	**LA4-KC1E**	0.010
	RC (3)	∿ 220...250 V	5	**LA4-KA1U**	0.010

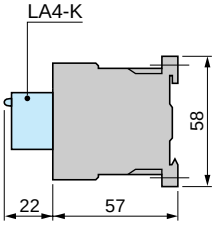
(1) Protection by limitation of the transient voltage to 2 Uc max.
Maximum reduction of transient voltage peaks.
Slight time delay on drop-out (1.1 to 1.5 times the normal time).
(2) No overvoltage or oscillation frequency.
Polarised component.
Slight time delay on drop-out (1.1 to 1.5 times the normal time).
(3) Protection by limitation of the transient voltage to 3 Uc max. and limitation of the oscillation frequency.
Slight time delay on drop-out (1.2 to 2 times the normal time).

Suppressor modules
LA4-K



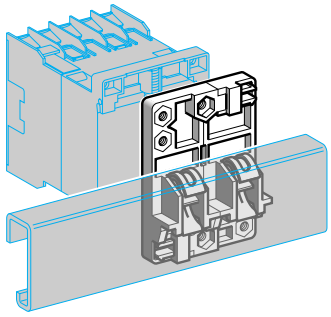


On mini control relays



K control relays
Mounting and marking accessories

References



LA9-D973

Mounting accessories

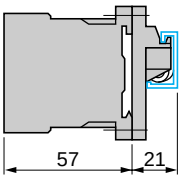
Description	Application		Sold in lots of	Unit reference	Weight kg
Mounting plates	On 1 ⌙ rail	Clip-on fixing	1	**LA9-D973**	0.025
	On 2 ⌙ rails	110/120 mm fixing centres	10	**DX1-AP25**	0.065

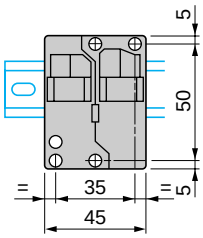
Marking accessories

Description	Application		Sold in lots of	Unit reference	Weight kg
Marker holder	Clip-on fixing	–	100	**LA9-D90**	0.001
Clip-in markers	4 maximum per relay	Strips of 10 identical numbers 0 to 9	25	**AB1-R●** (1)	0.002
		Strips of 10 identical capital letters A to Z	25	**AB1-G●** (1)	0.002

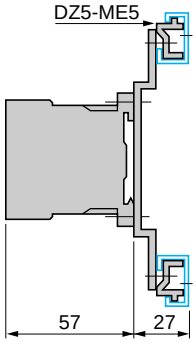
(1) Complete the reference with the required character.

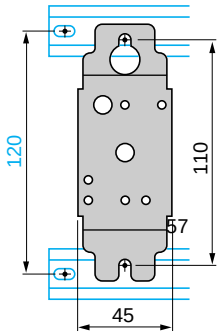
On asymmetrical rail with clip-on mounting plates
LA9-D973





DX1-AP25





CA2-D and CA3-D
Control circuit : a.c.

References



CA2-DK22●●



CA2-DN31●●

Control circuit : a.c.

Type	Number of contacts	Composition		Basic reference. Complete with code indicating control circuit voltage (2)	Weight kg
Instantaneous	4	4	–	**CA2-DN40●●**	0.320
		3	1	**CA2-DN31●●**	0.320
		2	2	**CA2-DN22●●**	0.320
		2	2	**CA2-DC22●●**	0.320
		including 1 N/O and 1 N/C make before break			
Mechanical latch/memory	4	2	2	**CA2-DK22●●**	0.580

Specifications

Protective treatment	"TH" as standard
Fixing	On 35 mm ⊔ rail or Ø 4 mm screw fixing
Cabling	By screw clamp terminals
Terminals	Protected against direct finger contact with ready-to-tighten captive screws (1)

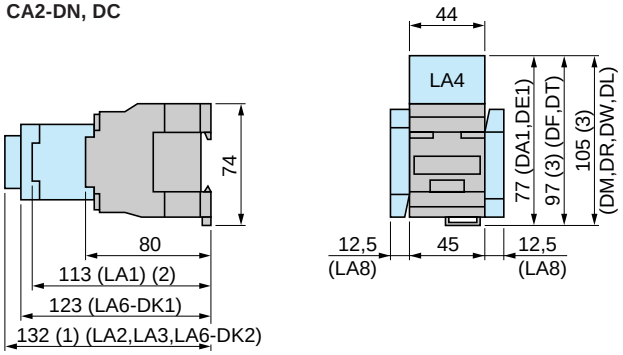
Marking and contact positions conforming to CENELEC EN 50005, EN 50011.

(1) Telemecanique patented system which prevents screws from tightening themselves (e.g. due to vibration during transport).

(2) Standard control circuit voltages (for other voltages, please consult your Regional customer centre).

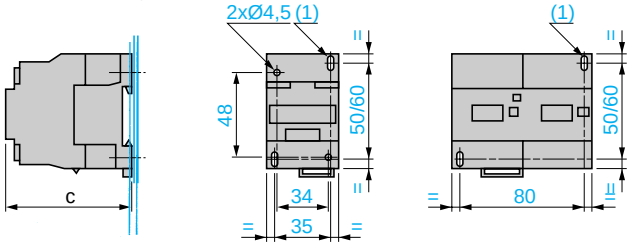
Volts ∿	**24**	**42**	**48**	**110**	**220/230**	**230**	**240**	**380/400**	**400**	**415**	**440**	**500**	**660**
50 Hz	B5	D5	E5	F5	M5	P5	U5	Q5	V5	N5	R5	S5	Y5
60 Hz	B6	–	E6	F6	M6	–	U6	Q6	–	N6	R6	–	–
50/60 Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7	–	–

CA2-DN, DC



(1) + 4 mm with lead sealing kit LA9-D901
(2) With 2 or 4 contacts
(3) With or without combined use of coil suppressor module : LA4-DA1●, DE1●

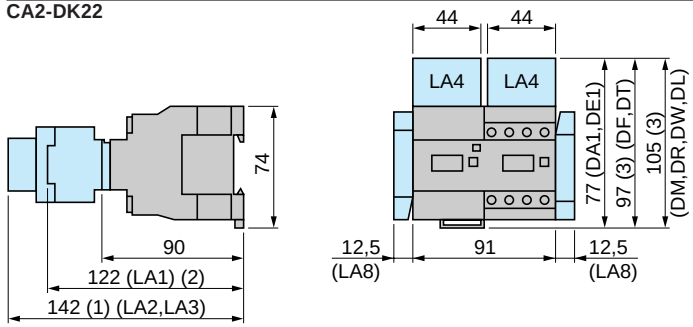
CA2, CA3-DN, DC, DK
Panel mounting



	CA2-			CA3-		
	DN	**DC**	**DK**	**DN**	**DC**	**DK**
c	80	80	90	115	115	125

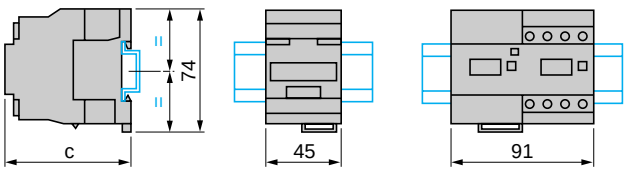
(1) 2 elongated holes 4.5 x 9

CA2-DK22



(1) + 4 mm with lead sealing kit LA9-D901
(2) With 2 or 4 contacts
(3) With or without combined use of coil suppressor module LA4-DA1●, DE1●

CA2, CA3-DN, DC, DK
Mounting on rail AM1-DP200 or DE200



	CA2-			CA3-		
	DN	**DC**	**DK**	**DN**	**DC**	**DK**
c (AM1-DP200)	82	82	91	117	117	127
c (AM1-DE200)	89	89	98	124	124	134

CA2-D and CA3-D
Control circuit : d.c.

References



CA3-DK22●●



CA3-DN31●●

Control circuit : d.c.

Type	Number of contacts	Composition		Basic reference. Complete with code indicating control circuit voltage (2)	Weight kg
Instantaneous	4	4	–	**CA3-DN40●●**	0.320
		3	1	**CA3-DN31●●**	0.320
		2	2	**CA3-DN22●●**	0.320
		2	2	**CA3-DC22●●**	0.320
		including 1 N/O and 1 N/C make before break			
Mechanical latch/memory	4	2	2	**CA3-DK22●●**	0.580

Specifications

Protective treatment	"TH" as standard
Fixing	On 35 mm ⊐ rail or Ø 4 mm screw fixing
Cabling	By screw clamp terminals
Terminals	Protected against direct finger contact with ready-to-tighten captive screws (1)

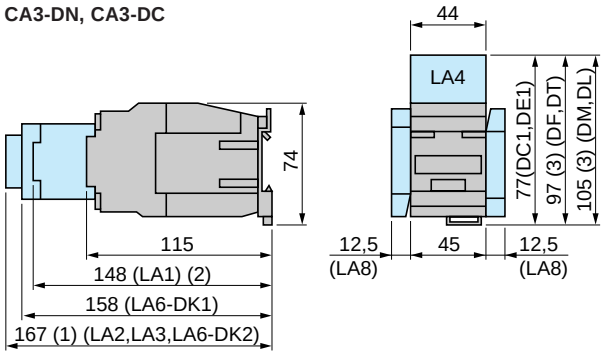
Marking and contact positions conforming to CENELEC EN 50005, EN 50011.

(1) Telemecanique patented system which prevents screws from tightening themselves (e.g. due to vibration during transport).

(2) Standard control circuit voltages (for other voltages, please consult your Regional customer centre).

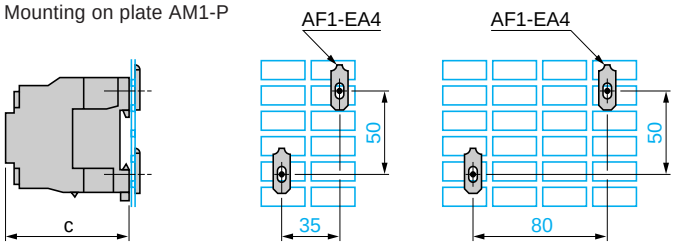
Volts ⎓	12	24	36	48	60	72	110	125	220	250	440
U from 0.8 to 1.1 Uc	JD	BD	CD	ED	ND	SD	FD	GD	MD	UD	RD
U from 0.7 to 1.25 Uc	JW	BW	CW	EW	–	SW	FW	–	MW	–	–

CA3-DN, CA3-DC



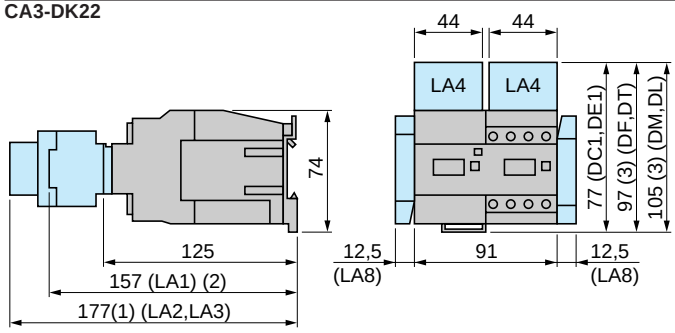
(1) + 4 mm with lead sealing kit LA9-D901
(2) With 2 or 4 contacts
(3) With or without combined use of coil suppressor module LA4-DC1●, DE1●

CA2, CA3-DN, DC, DK
Mounting on plate AM1-P



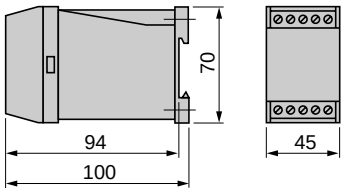
	CA2-			CA3-		
	DN	DC	DK	DN	DC	DK
c (AM1-P)	80	80	90	115	115	125

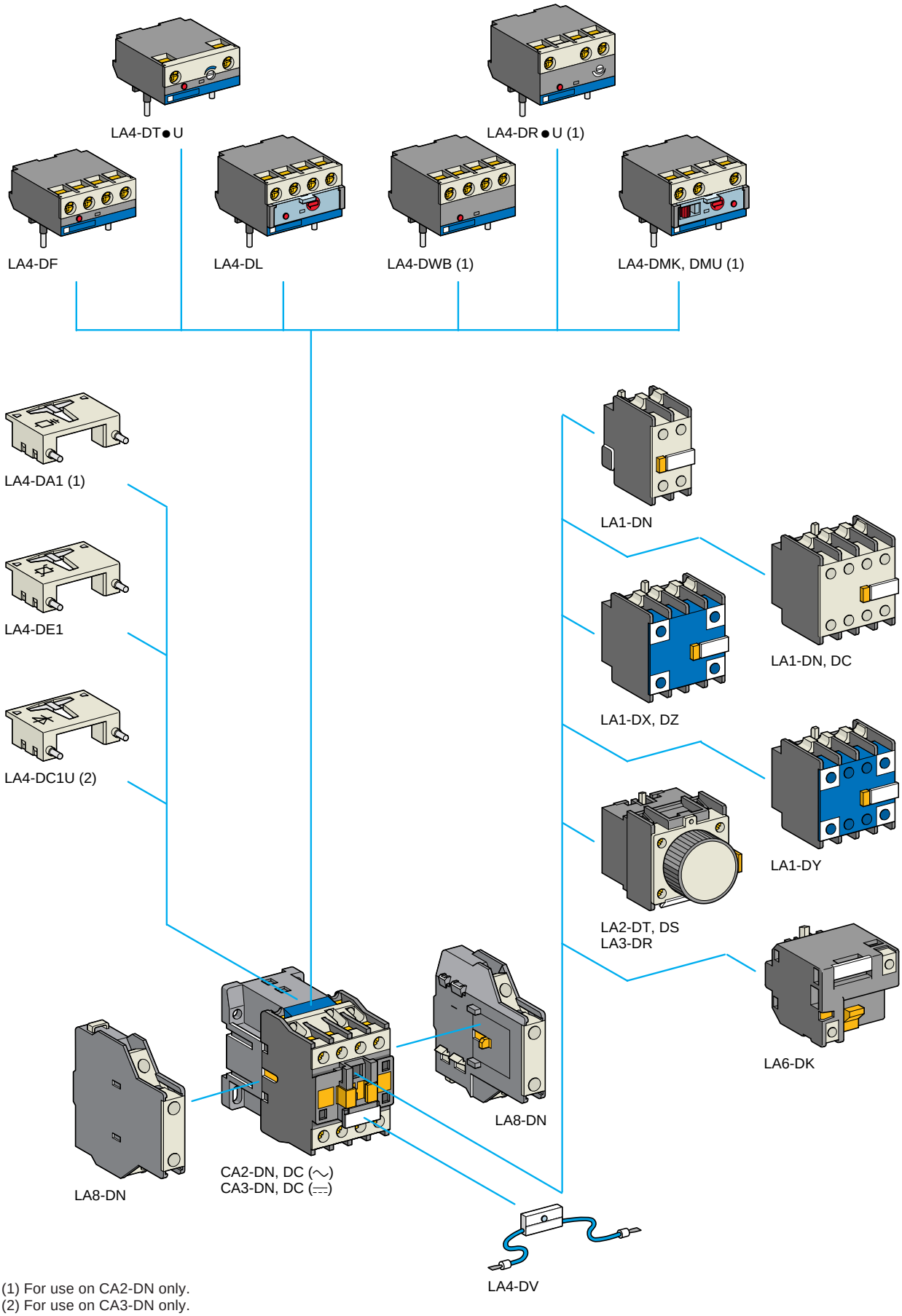
CA3-DK22



(1) + 4 mm with lead sealing kit LA9-D901
(2) With 2 or 4 contacts
(3) With or without combined use of coil suppressor module LA4-DC1●, DE1●

Delayed capacitive opening devices
LA9-Z90●





(1) For use on CA2-DN only.
(2) For use on CA3-DN only.

CA2 and CA3-D
Add-on auxiliary contact blocks and mechanical latch blocks

Illustrations :
page 1/176
Dimensions :
pages 1/174 and 1/175

References

Instantaneous auxiliary contact blocks

Number of contacts	Maximum number per relay (1) Clip-on mounting front	side	Composition		Reference	Weight kg
For standard applications						
2	1	–	1	1	**LA1-DN11**	0.030
	–	2	1	1	**LA8-DN11**	0.030
	1	–	2	–	**LA1-DN20**	0.030
	–	2	2	–	**LA8-DN20**	0.030
	1	–	–	2	**LA1-DN02**	0.030
4	1	–	2	2	**LA1-DN22**	0.050
			1	3	**LA1-DN13**	0.050
			4	–	**LA1-DN40**	0.050
			–	4	**LA1-DN04**	0.050
			3	1	**LA1-DN31**	0.050
			2	2 (3)	**LA1-DC22**	0.050

Instantaneous auxiliary contact blocks (with dust and damp protected contacts)

For use in particularly harsh industrial environments

Number of contacts	Maximum number per relay (1) Front mounting	Composition protected (4)				Reference	Weight kg
2	1	2	–	–	–	**LA1-DX20**	0.040
		2	2	–	–	**LA1-DY20**	0.040
4	1	2	–	2	–	**LA1-DZ40**	0.050
		2	–	1	1	**LA1-DZ31**	0.050

Time delay auxiliary contact blocks

Number and type of contacts	Maximum number per relay (1) Front mounting	Time delay Type	Range	Reference	Weight kg
1N/C and 1N/O	1	On-delay	0.1…3 s (5)	**LA2-DT0**	0.060
			0.1…30 s	**LA2-DT2**	0.060
			10…180 s	**LA2-DT4**	0.060
			1…30 s (6)	**LA2-DS2**	0.060
		Off-delay	0.1…3 s (5)	**LA3-DR0**	0.060
			0.1…30 s	**LA3-DR2**	0.060
(Sealing kit : see page 1/179)			10…180 s	**LA3-DR4**	0.060

Mechanical latch blocks

Tripping control	Maximum number per relay (1) Front mounting	Basic reference. Complete with voltage code (2)	Weight kg
Manual or electric	1	**LA6-DK10●**	0.070

(1) Maximum mounting possibility (see below).

Type of device	Type of coil	For guaranteed operation from	Max. number of add-on blocks Clip-on mounting front		side
CA2-D	50 or 60 Hz	0.8…1.1 Uc	1	+	2
	50/60 Hz	0.8…1.1 Uc	1	or	2
		0.85…1.1 Uc	1	+	2
CA3-D	⎓	0.8…1.1 Uc	1	or	2
	⎓ (wide range)	0.7…1.25 Uc	1	or	2

(2) Standard control circuit voltages (for other voltages, please consult your Regional customer centre).

Volts ∿ or ⎓	**12**	**24**	**32/36**	**42/48**	**60/72**	**100**	**110/127**	**220/240**	**255/277**	**380/415**
Code	J	B	C	E	EN	K	F	M	U	Q

(3) Including 1 N/O and 1 N/C make before break.
(4) Device fitted with 4 screening continuity terminals.
(5) With extended scale from 0.1 to 0.6 s.
(6) With switching time of 40 ms ± 15 ms between opening of the N/C contact and closing of the N/O contact (suitable for use with star-delta circuits).

CA2-D and CA3-D
Interface, control modules and delayed capacitive opening devices

Illustrations :
page 1/176
Dimensions :
pages 1/174 and 1/175

References



LA4-DR0U



LA4-DFE



LA4-DLE



LA4-DMU



LA4-DVM

Electronic serial timer modules

Type	Mounted at top on	Time delay	Reference	Weight kg
On-delay	CA2-D, CA3-D	0.1…2 s	**LA4-DT0U**	0.040
		1.5…30 s	**LA4-DT2U**	0.040
		25…500 s	**LA4-DT4U**	0.040
Off-delay	CA2-D	0.1…2 s	**LA4-DR0U**	0.050
		1.5…30 s	**LA4-DR2U**	0.050
		25…500 s	**LA4-DR4U**	0.050

Amplifier interface modules

Type	Mounted at top on	Supply voltage (1) of module	of control relay	Reference	Weight kg
Relay interface	CA2-D, CA3-D	⎓ 24 V	24…250 V	**LA4-DFB**	0.050
		⎓ 48 V	24…250 V	**LA4-DFE**	0.050
	CA2-D	⎓ 24 V	380…415 V	**LA4-DFBQ**	0.055
Relay interface with manual override switch (output forced "ON")	CA2-D, CA3-D	⎓ 24 V	24…250 V	**LA4-DLB**	0.045
		⎓ 48 V	24…250 V	**LA4-DLE**	0.045
Solid state	CA2-D	⎓ 24 V		**LA4-DWB**	0.045

"Auto-Manual-Stop" control modules

For local override operation tests with 2-position "Auto-Man" switch and "O-I" switch

Description	Mounted at top on	Control relay supply voltage	Reference	Weight kg
With "O-I" switch and 2-position "Auto-Man" switch	CA2-D, CA3-D	24/100 V	**LA4-DMK**	0.040
	CA2-D	100/250 V	**LA4-DMU**	0.040

Indicators

Type	Clips into legend plate location on	Control relay supply voltage	Sold in lots of	Unit reference	Weight kg
Red LED	CA2-D, CA3-D	12/72 V	5	**LA4-DVE**	0.010
		72/250 V	5	**LA4-DVM**	0.010
		250/440 V	5	**LA4-DVR**	0.010

Delayed capacitive opening devices

For use on control relays CA3-D to prevent inadvertent opening in the event of a brief volt drop or momentary supply failure

Supply voltage 50/60 Hz	Control relay reference. To be completed (2)	Replacement coil reference	Corresponding delayed opening device: Delay time (Tr) Non adjustable	Reference	Weight kg
110-115 V	CA3-DN●●PD	LX4-D2PD	1…3 s	**LA9-Z90F**	0.215
120-127 V	CA3-DN●●QD	LX4-D2QD	1.5…3 s	**LA9-Z90F**	0.215
220 V	CA3-DN●●TD	LX4-D2TD	2.5…5 s	**LA9-Z90M**	0.215
240 V	CA3-DN●●VD	LX4-D2VD	3…6 s	**LA9-Z90M**	0.215
380 V	CA3-DN●●WD	LX4-D2WD	2.5…5 s	**LA9-Z90Q**	0.215
415-440 V	CA3-DN●●XD	LX4-D2XD	3.5…8 s	**LA9-Z90Q**	0.215

Accessories (to be ordered separately)

Description	Reference	Weight kg
Add-on block for doubling the time delay Example : LA9-Z90F = 1 to 3 s LA9-Z90F + LA9-Z91F = 1 to 6 s	**LA9-Z91●** (3)	0.215

(1) For 24 V, the control relay must be fitted with a 21 V coil. See page 1/180.
(2) See page 1/175.
(3) Replace ● in reference with required voltage code; this will be the same as the code for the delayed opening device.

CA2-D and CA3-D
Coil suppressor modules and accessories

Illustrations :
page 1/176
Dimensions :
pages 1/174 and 1/175

References

Coil suppressor modules

These modules clip onto the top of the control relay and the electrical connection is instantly made. Fitting of an input module is still possible.



LA4-DA1●



LA4-DE1●

RC circuits (Resistor-Capacitor) (1)

For mounting on	Operational voltage	Reference	Weight kg
CA2-DN (2)	∿ 24/48 V	**LA4-DA1E**	0.012
	∿ 50/127 V	**LA4-DA1G**	0.012
	∿ 110/240 V	**LA4-DA1U**	0.012

Varistors (peak limiting) (3)

CA2-DN, CA3-DN (2)	∿ or ⎓ 24/48 V	**LA4-DE1E**	0.012
	∿ or ⎓ 50/127 V	**LA4-DE1G**	0.012
	∿ or ⎓ 110/250 V	**LA4-DE1U**	0.012

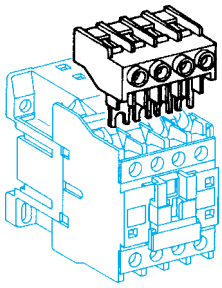
Diode (4)

CA3-DN (2)	⎓ 24/250 V	**LA4-DC1U**	0.012

Accessories (to be ordered separately)

For connection

Description	For mounting on	Reference	Weight kg
4-pole connector for connection of 10 mm² cables	CA2-DN, CA3-DN	**LA9-D1260**	0.030



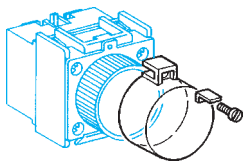
LA9-D1260

For marking

For mounting on	Description	Sold in lots of	Unit reference	Weight kg
CA2-DN, CA3-DN and add-on blocks except LA1-DN (2 contacts)	Clip-in marker holder 8 x 22 mm	100	**LA9-D92**	0.001
	Bag of 300 blank self-adhesive labels 7 x 21 mm	1	**LA9-D93**	0.001
LA1-DN (2 contacts)	Clip-in marker holder 8 x 17 mm	100	**LA9-D90**	0.001
	Bag of 400 blank self-adhesive labels 7 x 16 mm	1	**LA9-D91**	0.001

For sealing

Description	For mounting on	Reference	Weight kg
Sealing kit	LA2-D, LA3-D	**LA9-D901**	0.005

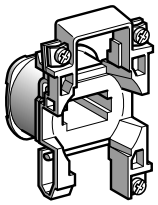


LA9-D901

(1) An RC circuit provides effective protection for circuits highly sensitive to high frequency interference. Voltage limited to 3 Uc maximum, oscillating frequency limited to 400 Hz maximum.
Slight increase in drop-out time (1.2 to 2 times the usual time).
(2) For satisfactory protection, a suppressor module must be fitted across the coil of each control relay.
(3) Protection is provided by limiting the transient voltage value to 2 Uc maximum. Maximum reduction of transient voltage peaks.
Slight increase in drop-out time (1.1 to 1.5 times the usual time).
(4) Protection is provided by a polarised component; no overvoltage or oscillating frequency. Slight increase in drop-out time (6 to 10 times the usual time).

Coils for CA2-D, a.c. control supply

References



LX1-D2●●

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	H		Ω	H		kg
			50 Hz			60 Hz	
21 (2)	6.3	0.26	**LX1-D2Z5**	4.98	0.21	**LX1-D2Z6**	0.070
24	6.82	0.3	**LX1-D2B5**	5.45	0.25	**LX1-D2B6**	0.070
32	12.26	0.48	**LX1-D2C5**	–	–	–	0.070
42	21.32	0.93	**LX1-D2D5**	–	–	–	0.070
48	28.05	1.22	**LX1-D2E5**	22.09	1.02	**LX1-D2E6**	0.070
110	148.2	5.7	**LX1-D2F5**	116.6	4.5	**LX1-D2F6**	0.070
120	–	–	–	139.2	5.1	**LX1-D2G6**	0.070
127	192.5	7.5	**LX1-D2G5**	–	–	–	0.070
208	–	–	–	417.8	16.6	**LX1-D2L6**	0.070
220	–	–	–	490.2	18.5	**LX1-D2M6**	0.070
220/230	613.3	23	**LX1-D2M5**	–	–	–	0.070
230	649.7	25	**LX1-D2P5**	–	–	–	0.070
240	726.6	25	**LX1-D2U5**	587.4	21	**LX1-D2U6**	0.070
256	816	31	**LX1-D2W5**	–	–	–	0.070
277	–	–	–	781.5	30	**LX1-D2W6**	0.070
380	–	–	–	1486	55	**LX1-D2Q6**	0.070
380/400	1848	67	**LX1-D2Q5**	–	–	–	0.070
400	2069	68	**LX1-D2V5**	–	–	–	0.070
415	2219	78	**LX1-D2N5**	1826	69	**LX1-D2N6**	0.070
440	2549	82	**LX1-D2R5**	1892	71	**LX1-D2R6**	0.070
480	–	–	–	2304	85	**LX1-D2T6**	0.070
500	3285	107	**LX1-D2S5**	–	–	–	0.070
575	–	–	–	3482	119	**LX1-D2S6**	0.070
600	–	–	–	3678	135	**LX1-D2X6**	0.070
660	5631	190	**LX1-D2Y5**	–	–	–	0.070

Specifications

Average consumption at 20 °C :
- inrush (cos φ = 0.75) 50 Hz : 60 VA; 60 Hz : 70 VA,
- sealed (cos φ = 0.3) 50 Hz : 7 VA; 60 Hz : 7.5 VA.

Operating range (θ ≤ 55 °C) : 0.8 to 1.1 Uc

						50/60 Hz	
21 (2)	–	–	–	5.6	0.24	**LX1-D2Z7**	0.070
24	–	–	–	6.19	0.26	**LX1-D2B7**	0.070
42	–	–	–	19.15	0.77	**LX1-D2D7**	0.070
48	–	–	–	25	1	**LX1-D2E7**	0.070
110	–	–	–	130	5.5	**LX1-D2F7**	0.070
120	–	–	–	159	6.7	**LX1-D2G7**	0.070
220/230	–	–	–	539	22	**LX1-D2M7** (3)	0.070
230	–	–	–	595	21	**LX1-D2P7**	0.070
230/240	–	–	–	645	25	**LX1-D2U7** (4)	0.070
380/400	–	–	–	1580	60	**LX1-D2Q7**	0.070
400	–	–	–	1810	64	**LX1-D2V7**	0.070
415	–	–	–	1938	74	**LX1-D2N7**	0.070
440	–	–	–	2242	79	**LX1-D2R7**	0.070

Specifications

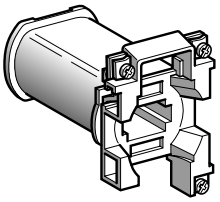
Average consumption at 20 °C :
- inrush (cos φ = 0.75) 50/60 Hz : 70 VA at 50 Hz,
- holding (cos φ = 0.3) 50/60 Hz : 8 VA at 60 Hz.

Operating range (θ ≤ 55 °C) : 0.85 to 1.1 Uc

(1) The last two digits in the reference represent the voltage code.
(2) Voltage for special coils fitted in contactors with serial timer modules, with 24 V supply.
(3) This coil can be used on 240 V at 60 Hz.
(4) This coil can be used on 230/240 V at 50 Hz and on 240 V only at 60 Hz.

Coils for CA3-D, d.c. control supply

References



LX4-D2●●

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference (1)	Weight
V	Ω	**H**		kg
Standard coils				
12	17	0.79	**LX4-D2JD**	0.175
21 (2)	45.4	2.16	**LX4-D2ZD**	0.175
24	71	3.1	**LX4-D2BD**	0.175
36	149.7	7.1	**LX4-D2CD**	0.175
48	267	11.9	**LX4-D2ED**	0.175
60	422	19	**LX4-D2ND**	0.175
72	609	26	**LX4-D2SD**	0.175
96	1049	46	**LX4-D2DD**	0.175
100	1105	49.6	**LX4-D2KD**	0.175
110	1411	61.8	**LX4-D2FD**	0.175
125	1781	77.8	**LX4-D2GD**	0.175
155	2763	119	**LX4-D2PD**	0.175
174	3480	152	**LX4-D2QD**	0.175
200	4280	184	**LX4-D2LD**	0.175
220	5235	221	**LX4-D2MD**	0.175
250	6433	271	**LX4-D2UD**	0.175
305	9778	401	**LX4-D2TD**	0.175
348	12 479	512	**LX4-D2VD**	0.175
440	19 785	793	**LX4-D2RD**	0.175
543	31 785	1261	**LX4-D2WD**	0.175
600	38 982	1393	**LX4-D2XD**	0.175

Specifications

Average consumption at 20 °C : 9 W
Operating range (θ ≤ 55 °C) : 0.8 to 1.1 Uc

Wide range coils

12	15.6	0.71	**LX4-D2JW**	0.175
24	58.7	2.49	**LX4-D2BW**	0.175
36	122.6	5.3	**LX4-D2CW**	0.175
48	234	9.9	**LX4-D2EW**	0.175
72	530	21.4	**LX4-D2SW**	0.175
96	886	36.6	**LX4-D2DW**	0.175
110	1105	44.4	**LX4-D2FW**	0.175
220	4593	185	**LX4-D2MW**	0.175

Specifications

Average consumption 20 °C : 11 W
Operating range (θ ≤ 55 °C) : 0.7 to 1.25 Uc

(1) The last two digits in the reference represent the voltage code.
(2) Voltage for special coils fitted in contactors with serial timer modules, with 24 V supply.