



Auxiliary contactors I_{th} = 20A

- Control circuit: Alternating current up to 690V
Direct current up to 440V
- Terminal numbering in accordance with EN 50005 and EN 50011
- Fixing system for rapid and simple mounting onto standard 35mm DIN-rail (EN 50022-35)
- Terminals protected against accidental contact in accordance with VDE 0106 T.100, VBG4
- Ring terminal versions
- Three coil terminals
- Facility to mount side and/or front instantaneous contact blocks, timed auxiliary contacts, mechanical latch, voltage suppressor blocks and interface modules.
- Degree of protection IP20 (EN 60529)

Standards

IEC/EN 60947-5-1	BS 4794
IEC/EN 60947-1	CENELEC HD410
EN 90947	CENELEC HD420
EN 60947	NFC 63-110
EN 50005	NFC 63-140
EN 50011	CSA C22.2/14
UL 508	VDE 0660/102
NEMA ICS 1	

Approvals



Lloyd's Register



Bureau Veritas



RINA

General data

Maximum number of contacts (RL...)	4
Rated thermal current (I_{th}) θ ≤ 55°	(A) 20
Rated operational voltage (U_e)	(V) 690
Insulation voltage (U_i)	(V) 1000

Utilisation category:

AC-15	V	120	230/220	400/380	440/415	500	690/660
A	10	10	6	5	4	2	
DC-13	V	24	48	110	220	440	
A	6	4	2	0.7	0.35		

Standard voltages

To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit.

Alternating current (V). Dual-frequency coil

♦	1	2	9	3	4	5	6	7	13	8	15
AC	24	42	48	110	120	220	230	240	400	440	480
50/60Hz	115										

Alternating current (V)

♦	A	B	E	K	L	N	T	U	W	Y	Z
AC			32	127		220		380	415	500	660
50Hz						230		400		690	
AC	6	12				208	277	380	480	460	600
60Hz											

Direct current (V)

♦	B	D	E	F	G	H	I	J	K	N	P	R	T
DC	12	24	36	42	48	60	72	110	120	220	230	240	250

Direct current (V) - Wide voltage range

♦	WB	WD	WE	WF	WG	WH	WI	WJ	WK	WN	WP	WR	WT
DC	12	24	33	42	48	60	72	110	125	220	230	240	250

Order codes ● pg. B.15
Accessories ● pg. B.16
Technical data ● pg. B.36
Dimensions ● pg. B.42



Auxiliary contactors



Contacts		Control circuit: Alternating current up to 690V			Control circuit: Direct current up to 440V		
		Cat. no. ⁽¹⁾	Ref. no. see bottom	Pack	Cat. no. ⁽¹⁾	Ref. no. see bottom	Pack
Screw terminal	4 0 0 0	RL4RA040T	◆	5	RL4RD040T	◆	10
	3 1 0 0	RL4RA031T	◆	5	RL4RD031T	◆	10
	2 2 0 0	RL4RA022T	◆	5	RL4RD022T	◆	10
	0 4 0 0	RL4RA004T	◆	5	RL4RD004T	◆	10
	1 1 1 1	RL4RA022G	◆	5	RL4RD022G	◆	10
Ring terminal	4 0 0 0	RL4RA040R	◆	5	RL4RD040R	◆	10
	3 1 0 0	RL4RA031R	◆	5	RL4RD031R	◆	10
	2 2 0 0	RL4RA022R	◆	5	RL4RD022R	◆	10
	0 4 0 0	RL4RA004R	◆	5	RL4RD004R	◆	10
	Spare coil						
Screw terminal	LB1A		◆	5	LB1D	◆	5
	Ring terminal		LR1A		◆	5	LR1D

(1) To complete the catalogue number, replace the symbol ◆ by the code corresponding to the voltage and frequency of the control circuit. (see pg. B.14).

Auxiliary contacts

Instantaneous	Number of contacts	Contacts				Function	Time	Cat. no.	Ref. no.	Pack	
		•3 •4	•1 •2	•7 •8	•5 •6						
Frontal mounting	Screw terminal										
	1	1	0	0	0			BCLF10	104700	10	
	1	0	1	0	0			BCLF01	104701	10	
	1	0	0	1	0			BCLF10G	104702	10	
	1	0	0	0	1			BCLF01G	104703	10	
	Ring terminal										
Side mounting	Screw terminal										
	2	2	0	0	0			BRL11	104705	10	
	2	1	1	0	0			BRL11	104705	10	
	2	0	2	0	0			BRL11	104705	10	
	2	2	0	0	0			BRL20	104704	10	
	2	1	1	0	0			BRL11	104705	10	
Ring terminal											
1	1	0	0	0			BCRF10	108901	10		
1	0	1	0	0			BCRF01	108902	10		
Screw terminal											
2	0	0	1	1	Delayed ON	0.1 - 30 sec.		BTLF30C	104709	10	
2	0	0	1	1	Delayed ON	1 - 60 sec.		BTLF60C	104710	10	
2	0	0	1	1	Delayed OFF	0.1 - 30 sec.		BTLF30D	104711	10	
2	0	0	1	1	Delayed OFF	1 - 60 sec.		BTLF60D	104712	10	
Ring terminal											
2	0	0	1	1	Delayed ON	0.1 - 30 sec.		BTRF30C	108903	10	
2	0	0	1	1	Delayed ON	1 - 60 sec.		BTRF60C	108904	10	
2	0	0	1	1	Delayed OFF	0.1 - 30 sec.		BTRF30D	108905	10	
2	0	0	1	1	Delayed OFF	1 - 60 sec.		BTRF60D	108906	10	
Sealing cover protection for pneumatic timer									BTLFX	113001	5

For reference numbers, see chapter X, pg. X.7



Order codes

Intro

A

B

C

D

E

F

G

H

I

J/X