

### 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



- Order codes ● pg. A.23
- Auxiliary contacts blocks ● pg. A.23
- Accessories ● pg. A.24
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- Combinations of contacts ● pg. A.38
- Dimensions ● pg. A.42

## Auxiliary contactors *I<sub>th</sub>* = 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)

### General data

<b>Maximum number of contacts (RL...)</b>	4
<b>Rated thermal current (I<sub>th</sub>) θ ≤ 55°</b>	(A) 20
<b>Rated operational voltage (U<sub>e</sub>)</b>	(V) 690
<b>Insulation voltage (U<sub>i</sub>)</b>	(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






### Auxiliary contactors

	Contacts				Control circuit: Alternating current up to 690V			Control circuit: Direct current up to 440V		
	.3   .4	.1   .2	.7   .8	.5   .6	Cat. no. <sup>(1)</sup>	Ref. no. see bottom	Pack	Cat. no. <sup>(1)</sup>	Ref. no. see bottom	Pack
	<b>Screw terminal</b>									
	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
	<b>Ring terminal</b>									
	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
	<b>Spare coil</b>									
	<b>Screw terminal</b>									
					LB1A	◆	5	LB1D	◆	5
	<b>Ring terminal</b>									
				LR1A	◆	5	LR1D	◆	5	

(1) To complete the catalogue number, replace the symbol ◆ by the code corresponding to the voltage and frequency of the control circuit. (see pg. A.22).

### Auxiliary contacts

	Instantaneous	Number of contacts	Contacts				Function	Time	Cat. no.	Ref. no.	Pack	
			.3   .4	.1   .2	.7   .8	.5   .6						
	<b>Frontal mounting</b>	<b>Screw terminal</b>										
		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	
		<b>Ring terminal</b>										
		1	1	0	0	0			BCRF10	108901	10	
		1	0	1	0	0			BCRF01	108902	10	
	<b>Side mounting</b>	<b>Screw terminal</b>										
		2	2	0	0	0			BRL20	104704	10	
		2	1	1	0	0			BRL11	104705	10	
		2	0	2	0	0			BRL02	106622	10	
<b>Pneumatic timer blocks</b>												
	<b>Frontal mounting</b>	<b>Screw terminal</b>										
		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	
		<b>Ring terminal</b>										
		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		

