

LAEN22



LAETSD

Instantaneous auxiliary contact blocks for connection by screw lamps terminals

For use in normal operating environment

Clip-on mounting	Number of contacts per block	Cat. no.	Weight kg
Front	1 NO / 1 NC	LAEN11	0.035
	2 NO	LAEN20	0.035
	2 NC	LAEN02	0.035
	2 NO / 2 NC	LAEN22	0.060

Time delay auxiliary contact blocks for connection by screw clamp terminals 8 A - 690 V

Clip-on mounting	Number of contacts per block	Time delay Type	Setting range	Cat. no. ⁽¹⁾	Weight kg
Front	1 NO / 1 NC	On-delay	1...30 s	LAETSD	0.060

⁽¹⁾ For use only LC1E25 to LC1E630.

Instantaneous and time delay contact characteristics

Contact block type			LAEN11, 20, 02, 22			LAETSD		
Number of contacts			2 or 4			2		
Rated operational voltage (Ue)	Up to	V	690			690		
Rated insulation voltage (Ui)	Conforming to IEC 60947-5-1		690			690		
Conventional thermal current (Ith)	For ambient temperature $\theta \leq 60^\circ\text{C}$	A	10			10		
Minimum switching capacity	U min	V	17			17		
	I min	mA	5			5		
Short-circuit protection	Conforming to IEC 60947-5-1	A	10			10		
Rated making capacity	Conforming to IEC 60947-5-1	Irms	~ 140			~ 140		
Short-time rating	Permissible for	1 s	100			100		
		500 ms	120			120		
		100 ms	140			140		
Insulation resistance		m Ω	> 10			> 10		
Non-overlap time	Guaranteed between NC and NO contacts	ms	1.5 (on energisation and on de-energisation)			1.5 (on energisation and on de-energisation)		
Overlap time	Guaranteed between LAE N22 N/C and N/O contacts	ms	-			-		
Time delay	Ambient air temperature for operation	$^\circ\text{C}$	-			-20...+70		
	Repeat accuracy		-			$\pm 2\%$		
	Drift up to 0.5 million operating cycles		-			+15%		
	Drift depending on ambient air temperature		-			0.25 % per $^\circ\text{C}$		
Mechanical durability		In millions of operating cycles	10			4		
Rated operational power of contacts (Conforming to IEC 60947-5-1)	a.c. supply categories AC14/15	V	24	48	115	230	400	440
	1 million operating cycles	VA	60	120	280	560	960	1050
	3 million operating cycles		16	32	80	160	280	300
	10 million operating cycles		4	8	20	4	70	80

Environment				
Contact block type			LAEN11, 20, 02, 22	LAETSD
Conforming to standard			IEC 60947-5-1	
Product certifications			EAC	
Protective treatment	Conforming to IEC 60068		"TH"	
Degree of protection	Conforming to IEC 60529		IP2X	
Ambiant air temperature	Storage	°C	-60...+80	
	Operation		-5...+55	
	Permissible for operation at U _c		-20...+70	
Maximum operating altitude	Without derating	m	3000	
Connection by cable	Philips N° 2 and Ø 6 mm. Flexible or solid cable with or without cable end	mm ²	Min: 1 x 1 Max: 2 x 2.5	
Tightening torque		N.m	1.2	

3-pole Accessories compatibility						
Contactor	Built in contacts	LAEN●●	LAETSD	LAERC●	LAEM	LAEP●
LC1E06	1 NO or 1NC	1	-	-	-	-
LC1E09						
LC1E12						
LC1E18						
LC1E25	1 NO + 1NC	1	or 1	-	1	1
LC1E32						
LC1E38						
LC1E40						
LC1E65	-	2	or 0	-	-	DIY ⁽¹⁾
LC1E80						
LC1E95						
LC1E120						
LC1E160	-	1	or 1	-	-	-
LC1E200						
LC1E250						
LC1E300						
LC1E400	-	1	or 1	-	-	-
LC1E500						
LC1E630						

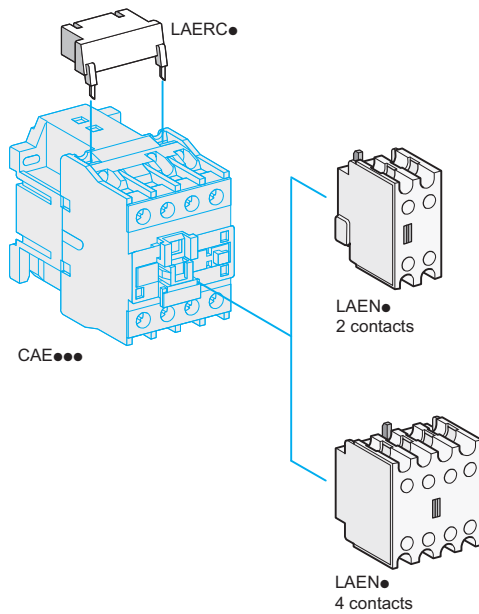
(1) Do It Yourself.

4-pole Accessories compatibility			
Contactor	LAEN●●	LAETSD	LAERC●
LC1E06	1	or 1	1
LC1E09			
LC1E12			
LC1E18			
LC1E25	-	-	-
LC1E32			
LC1E38			
LC1E40			
LC1E50	-	-	-
LC1E65			
LC1E80			
LC1E95			

EasyPact TVS control relays

Auxiliary contact blocks

RC suppressor



Instantaneous auxiliary contact blocks

For use in normal operating environments ⁽¹⁾

Number of contacts	Maximum number of relays that can be mounted		Composition		Cat. no.	Weight kg
	Front mounted	Side mounted	NO	NC		
2	1	-	1	1	LAEN11	0.030
	1	-	2	-	LAEN20	0.030
	1	-	-	2	LAEN02	0.030
4	1	-	2	2	LAEN22	0.050

⁽¹⁾ For use in particularly harsh industrial environments, please consult the auxiliary contact blocks with dust and damp protected contacts in TeSys catalog.

Coil suppressor modules

RC suppressor

- Effective protection for circuits highly sensitive to "high frequency" interference and transient generated when the contactor coil is switched off. For use only in cases where the voltage is virtually sinusoidal, i.e. less than 5 % total harmonic distortion.
- Voltage limited to 3 Uc max. and oscillating frequency limited to 400 Hz max.
- Slight increase in drop-out time (1.2 to 2 times the normal time).

Mounted on	Operational voltage	Cat. no.	Weight kg
CAE40●●	~24...48 V	LAERCE	0.012
	~110...240 V	LAERCU	0.012
	~50...120 V	LAERCG	0.012
	~380...415 V	LAERCN	0.012