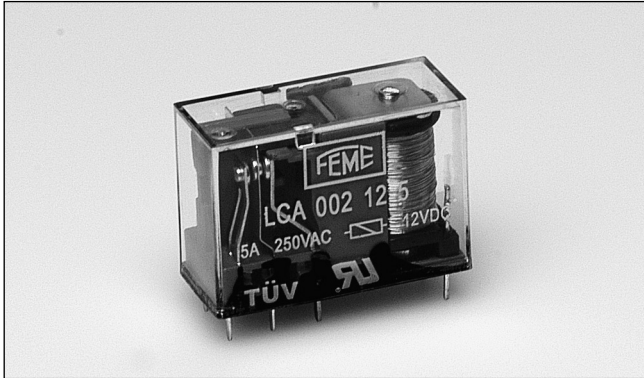


Miniature Relays Series LC

Type LC A - 2 poles 5 A

Monostable



- Miniature size 20 mm
- PCB mounting
- 5 kV / 8 mm insulation
- Switching capacity 5 A / 250 VAC
- General purpose, industrial electronics
- Low coil power consumption
- Sealed

Product Description

Miniature PCB power relay.
Low Profile Execution.

Approvals

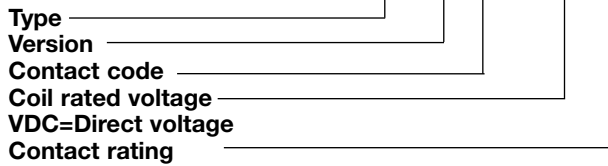


Type selection

Contact configuration	Contact rating	Contact code
2 change over contacts (DPDT-CO [2-form C])	5 A	002
2 normally open contacts (DPST-NO [2-form A])	5 A	200

Ordering Key

LC A 002 24 05



Version

A = Ag SnO Footprint 5 mm (Standard)
C = Ag SnO + Au 5µm

Coil Data, DC (20°C)

Rated voltage VDC	Winding resistance Ω±10%	Operating range		Drop-out voltage (must release) VDC	Rated power consumption mW
		Pick-up voltage VDC	max VDC		
3	17	2.4	3.9	0.15	540
5	46	4.0	6.5	0.25	540
6	67	4.8	7.8	0.3	540
9	150	7.2	11.7	0.45	540
12	270	9.6	15.6	0.6	540
24	1050	19.2	31.2	1.2	540
48	4250	38.4	62.4	2.4	540
60	6670	48.0	90.0	3.0	540
110	22400	88.0	143.0	5.5	540

Contact Characteristics

Material	Ag SnO	Power	
Current		Max. switching power (with resistive load)	1920 VA/240 W
Rated switching current with resistive load	5 A 30 VDC/240 VAC	Min. switching current (typical value)	10 mA at 5 VDC
Max switchin current With resistive Load	8 A	Electrical life	250 VAC - 5 A - cosφ 1
Voltage		Mechanical life	1x10 ⁵ ops.
Rated voltage	250 VAC / 30 VDC		1x10 ⁷ ops.
Initial contact resistance	Ag SnO-100mΩ (1A 6VDC)		

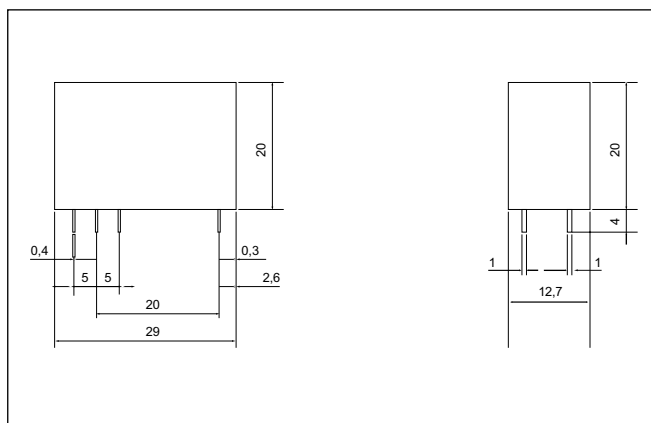
Insulation

Test voltage (1 min.)	
Open contacts	1000 VAC
Contacts Coil	5000 VAC
Contacts of different polarity	2500 VAC
Shock resistance	
Operating extremes	10 G
Damage Limits	100 G
Insulation resistance	
500 VDC	>100 MΩ

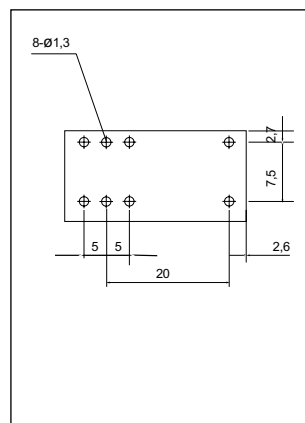
General Data

Operating time at rated voltage	20 ms
Release time	10 ms
Ambient temperature (at rated voltage)	-40°C a + 85 °C
Inside protection (IEC 144)	IP67
Working class type of service	C/Continuous
Soldering bath temperature	260 °C max.
Soldering time	5 s max.
Weight	14 g ~

Dimensions



Pin View



Wiring Diagrams

