



- SPDT contact arrangement
- 12A of general purpose relay
- L.E.D. status lamp: Shows coil "on" or "off" status.
- Push button: Allows for manual. Operation of relay without the need for coil power.
- UL.E115915

## ⇒ Contact rating

		BLY1-1C	
Contact capacity resistive load (cos.=1)		12A 28VDC	
		12A 240VAC	
Motor	120VAC	1/3 HP	
	240VAC	1/2HP	

## ⇒ Coil rating

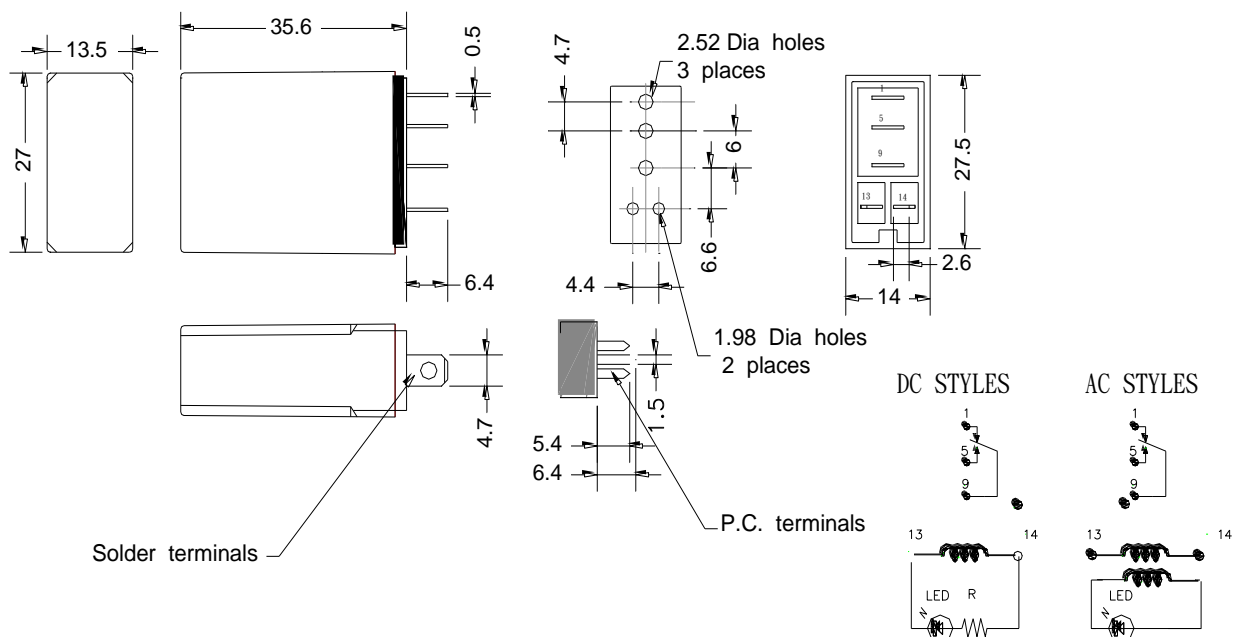
Rated voltage (v)		coil resistance (Ω)	Max. Pull-in Voltage	Min. dropout voltage	Max. allowable voltage	Power consumption	
							% of rated voltage at 25°C
DC	1C	6	47	75Max	10Min	110Max	Approx 0.8W
		12	188				
		24	750				
		48	2600				
		110	13800				
AC	1C	6	11.2	80Max	30Min	110Max	Approx 1.2VA
		12	45				
		24	180				
		48	720				
		110	3830				
		120	4430				
		220/230	15000				
		240	15720				

## ⇒ Specifications

<b>Contact resistance</b>	50mΩ Maximum
<b>Operate time</b>	20mS Maximum
<b>Release time</b>	20mS Maximum
<b>Insulation resistance</b>	1000MΩ Minimum at 500VDC
<b>Dielectric strength</b>	Between open contact: 1000VAC for 1 minute
	Between contact and coil: 1500VAC for 1 minute
	Between live parts and ground: 1500VAC for 1 minute
<b>Temperature (operating)</b>	-45°C to +55°C (AC); -45°C to +70°C (DC)
<b>Mechanical life</b>	10,000,000 Operations
<b>Electrical life</b>	100,000 Operations
<b>Contact material</b>	AgSN02 / Agni
<b>Weight (approx.)</b>	24g

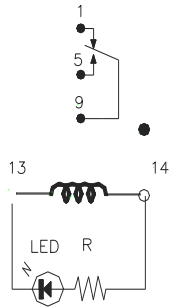
## ⇒ Dimensions & wire diagrams

**Plain cover:code C**

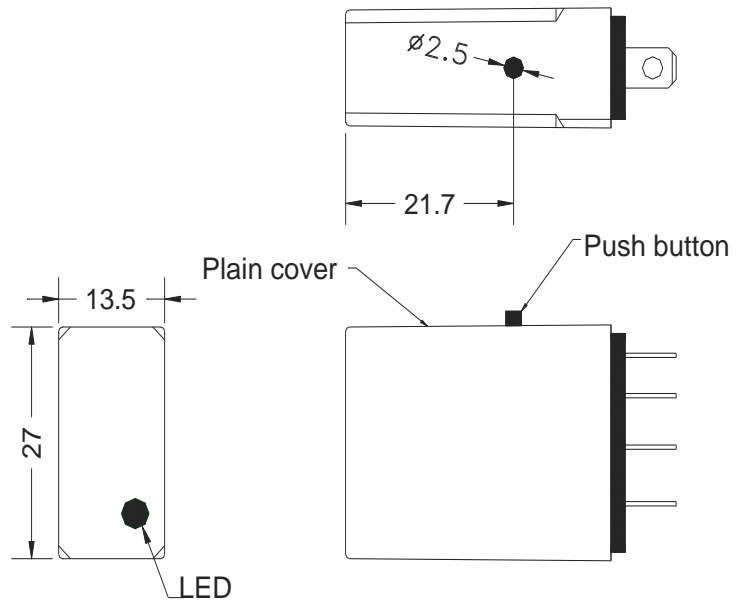
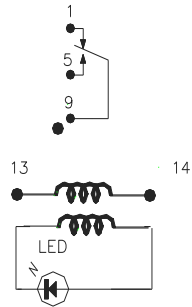


**with push button:code M**

DC STYLES



AC STYLES



## ⇒ How to order

**BLY1-1C - S - L M -12VDC**

- Coil voltage**
- Options**
  - M:** Manual test button
  - L:** Bi-Polar LED(DC),single polar LED(AC)
- Cover style**
  - C:**plain cover
- Terminal style**
  - S:** Solder (plug-in) terminal
  - P:** P.C.B terminal
- Contact material**
  - Blank:** Agni
- Contact rating**
  - Blank:**12A
- Contact arrangement**
  - 1C:** SPDT
- Series**