



- 4PDT, 3PDT, DPDT, contact arrangement.
- L.E.D. status lamp: Shows coil "ON" or "OFF" status, ideal in low light conditions. DC: bi-polar L.E.D.
- Flag indicator: Shows relay status in manual or powered condition.
- Push button: Allows for manual operation of relay without the need for coil power, ideal for field service personnel to test control circuits.
- Finger-grip cover: Allows operator to remove relays from sockets more easily than conventional relays.
- Cover adapters: Din rail adapter or top/bottom flange adapter, allows the BLY5 relay to be direct
- TUV R 50047808 0001
- UL E115915



⇒ Contact rating

		BLY5-2C	BLY5-3C	BLY5-4C
Contact capacity resistive load ($\cos\Phi=1$)		10A, 28VDC	10A, 28VDC	10A, 28VDC
		10A, 240VAC	10A, 240VAC	10A, 240VAC
Contact capacity inductive load (TUV) ($\cos\Phi=0.4$ L/R=7ms)		5A, 240VAC	5A, 240VAC	5A, 240VAC
		5A, 24VDC	5A, 24VDC	5A, 24VDC
Motor (UL)	120VAC	1/3HP	1/3HP	1/3HP
	240VAC	1/2HP	1/2HP	1/2HP

⇒ Coil rating

Rated voltage (V)		Coil resistance (Ω)			Max. pull-in voltage	Min. dropout voltage	Max. allowable voltage	Power consumption
		±10% at 25℃						
		2C	3C	4C	75Max.	10Min.	110Max.	Approx. 2C:0.9W 3C:1.44W 4C:1.0~2.2W
DC	6	40	25	24				
	12	160	100	96				
	24	650	400	388				
	48	2600	1600	1550				
110	11000	8500	7340					

⇒ Coil rating

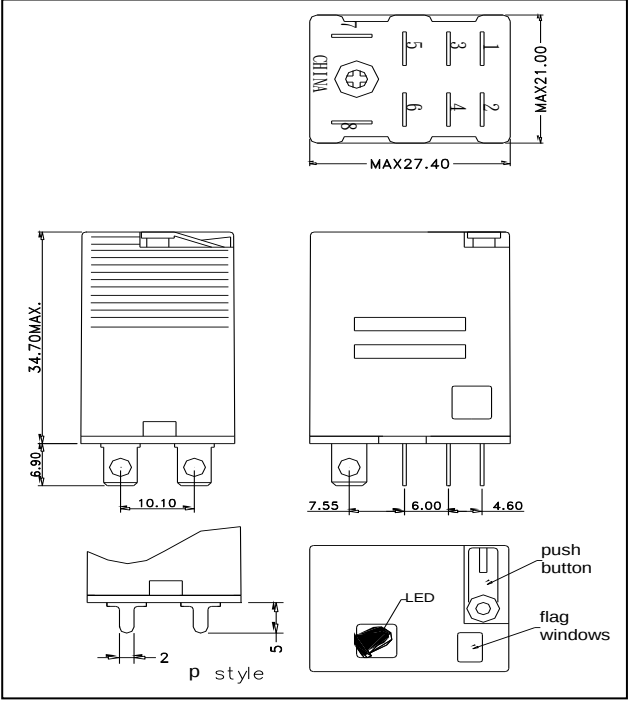
Rated voltage (V)		Coil resistance (Ω)			Max. pull-in voltage	Min. dropout voltage	Max. allowable voltage	Power consumption
		±10% at 25℃			% of rated voltage at 25℃			
		2C	3C	4C	80Max.	30Min.	110Max.	
AC	6	9.5	6	5.4				
	12	46	25.3	21.2				
	24	180	103	84.5				
	48	770	460	340				
	110	3830	2200	1800				
	120	4430	2770	2220				
	220/230	15000	10800	8520				
240	15720	12100	9120					

⇒ Specifications

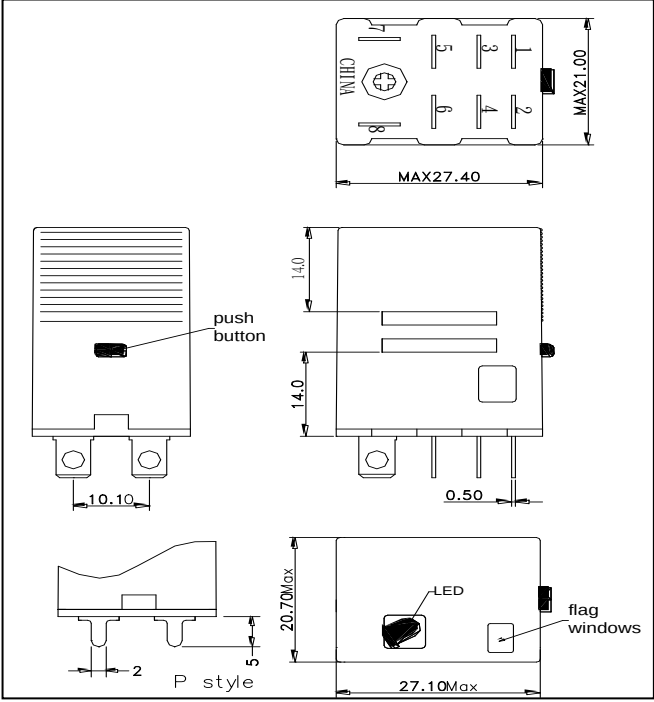
Contact resistance	50mΩ Maximum
Operate time	20mS Maximum
Release time	15mS Maximum
Insulation resistance	500MΩ Minimum at 500VDC
Dielectric strength	Between open contact: 1500 VAC for 1 minute
	Coil to frame: 1500 VAC for 1 minute
	Contact to coil: 1500 VAC for 1 minute
	Pole to pole: 1500 VAC for 1 minute
Temperature (operating)	-25°C to +50°C (AC); -25°C to +55°C (DC)
Mechanical life	10,000,000 operations
Electrical life	100,000 operations
Contact material	AgNI10 gold flashed
Weight (approx.)	4C: 78g 3C: 58g 2C: 37g

➡ **Dimensions**

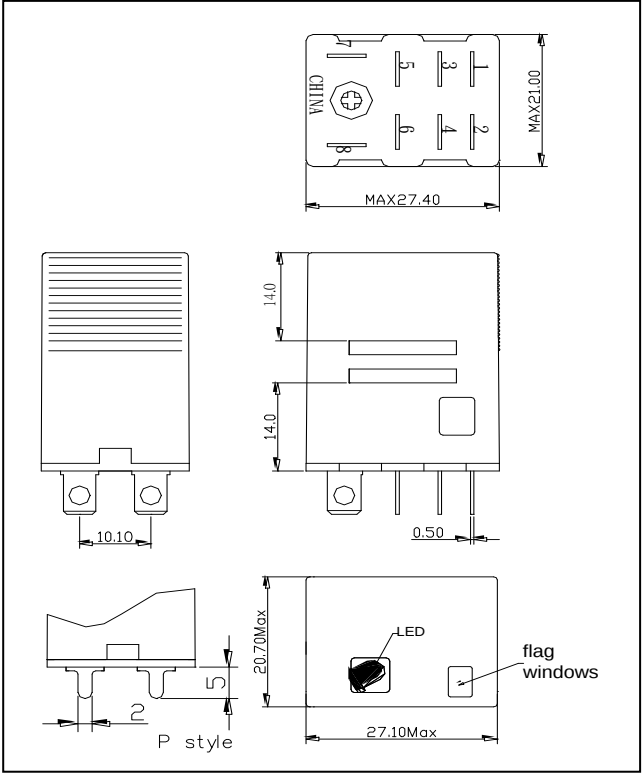
CM4L(2C)



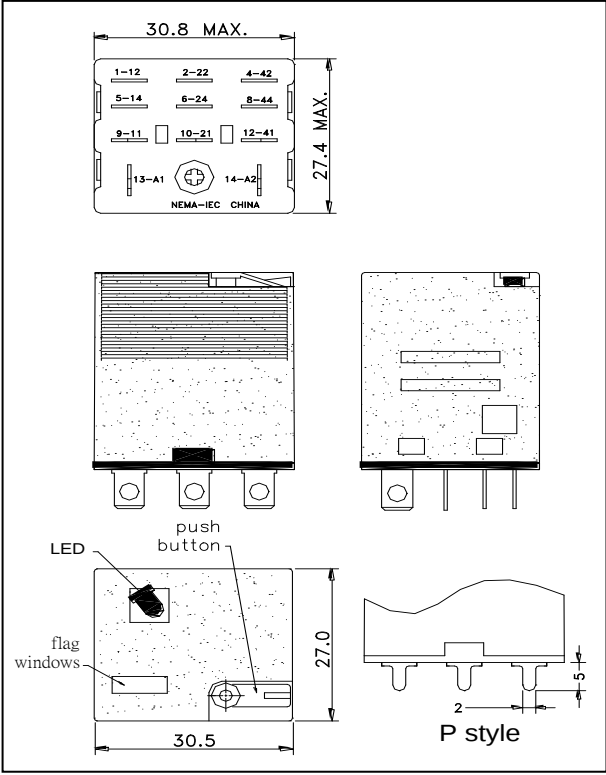
CML(2C)



CL(2C)

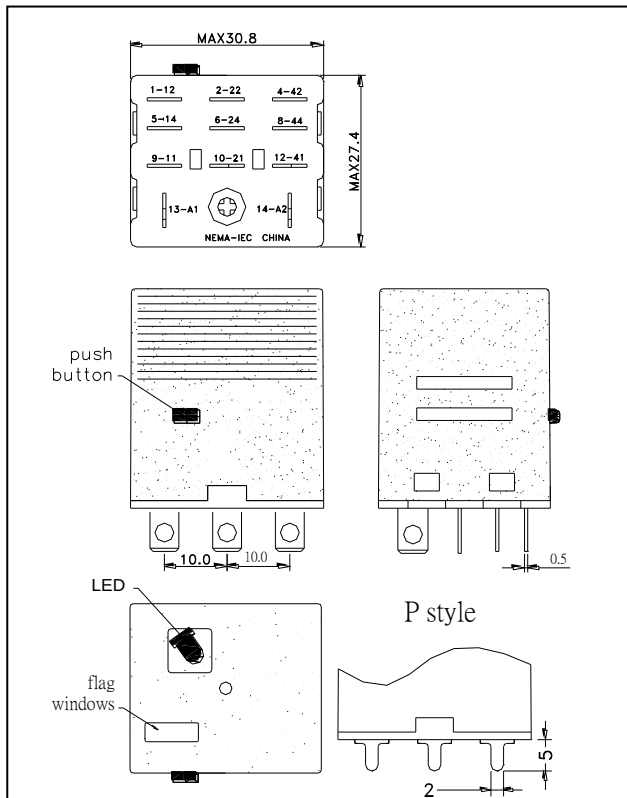


CM4L(3C)

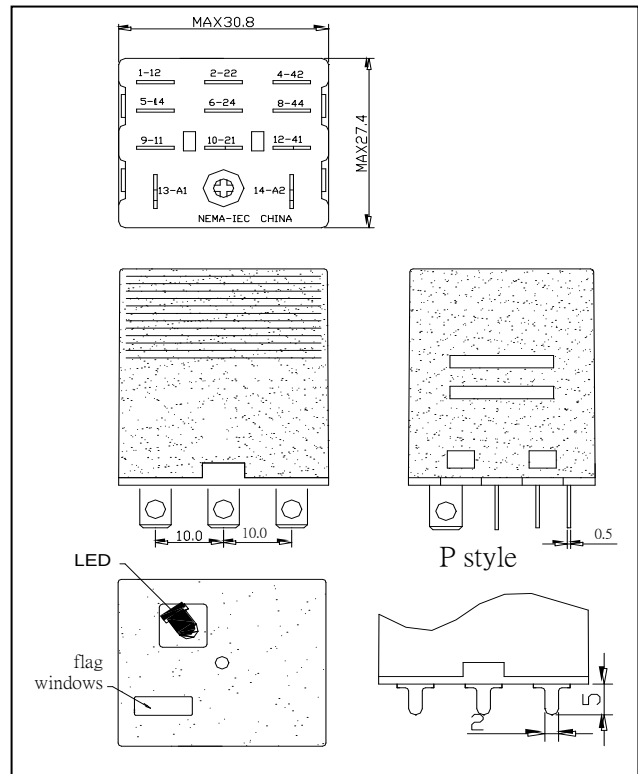


➡ Dimensions

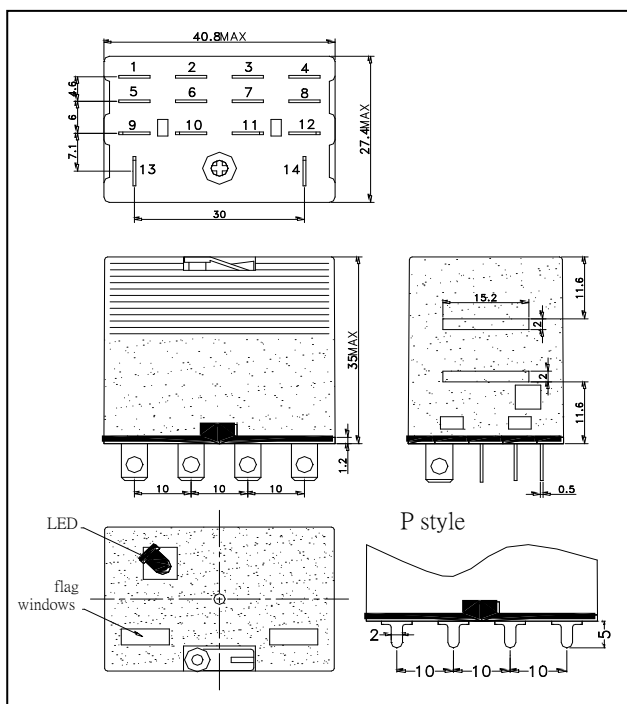
CML(3C)



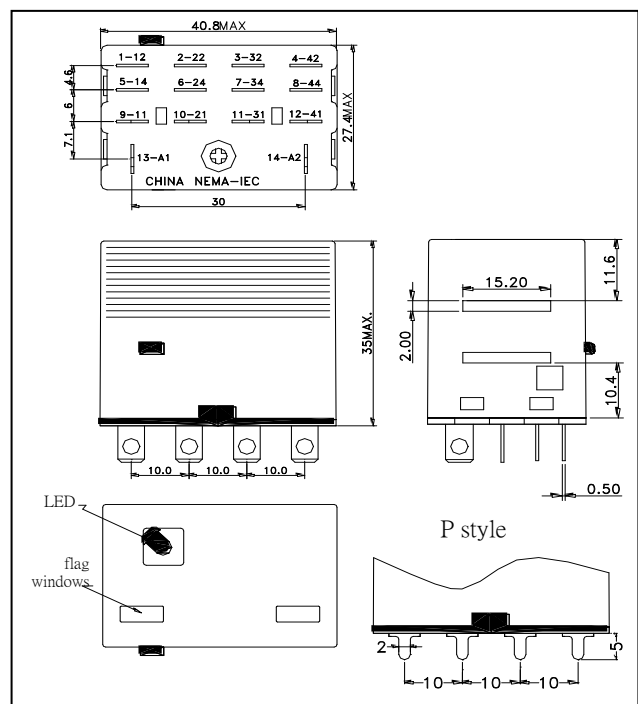
CL(3C)



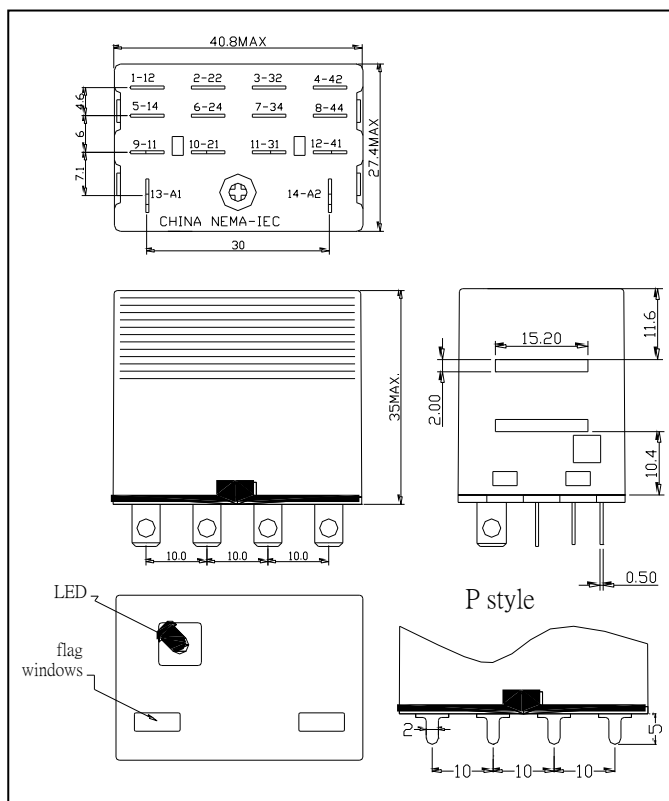
CM4L(4C)



CML(4C)

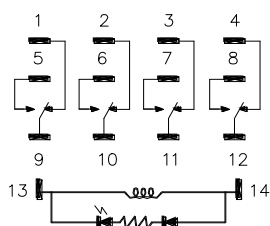


CL(4C)

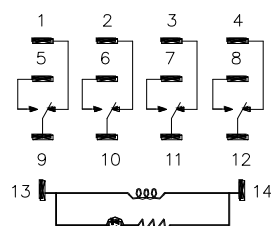


Wiring diagram

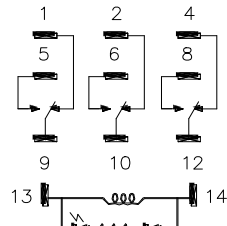
4C AC styles
Bottom view



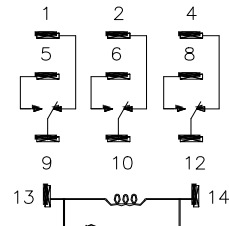
4C DC styles
Bottom view



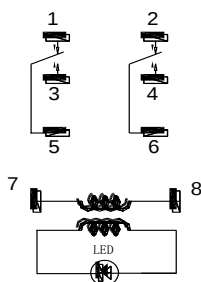
3C AC styles
Bottom view



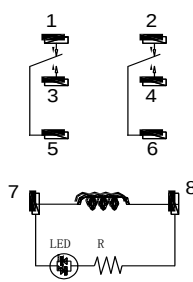
3C DC styles
Bottom view



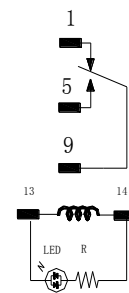
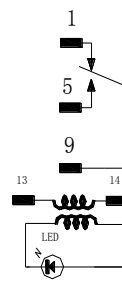
2C AC styles
Bottom view



2C DC styles
Bottom view



1C AC styles
Bottom view



⇒ **How to order**

BLY5-3C - S -C M4L- 12 VAC

Coil voltage

Options

M: Manual push button **4:** lock down

L: single-polar LED (AC), bi-polar LED (DC)

W: without flag

Cover style

C: plain cover

Terminal style

S: S style **P:** P style

Contact material

Blank: AGNI10 gold flashed

Contact rating

blank: 10A

Contact arrangement

2C: DPDT **3C:** 3PDT **4C:** 4PDT

SERIES