

RELAYS & COMPONENTS *BTA3*



- Enclosed plug-in style relay.
- Quick connect receptacles or direct soldering. P.C.B. terminals also acceptable.
- Large capacity 25A contact rating.
- SPDT, DPDT, 3PDT contact arrangement.
- BTA3 general purpose relays is available in a wide choice of AC or DC voltage with indicator lamp and/or manual push button.
- **LR** E115915

⇒ Contact rating

		BTA3-1C/2C	BTA3-3C
Contact capacity resistive load (Cos.=1)		13A 28VDC	13A 28VDC
		25A 300VAC	20A 150VAC
Motor	120VAC	1HP	3/4HP
	240VAC	1-1/2HP	1HP

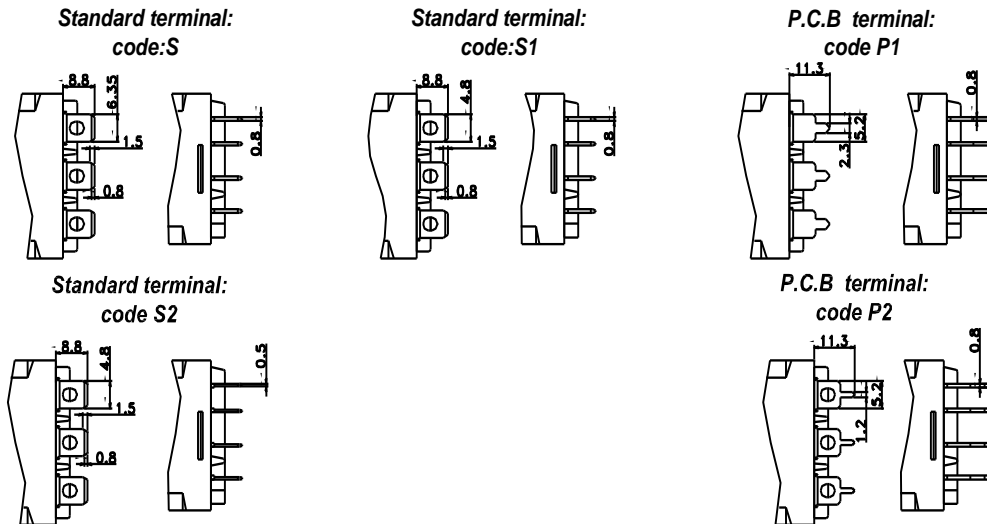
⇒ Specifications

Contact resistance	50mΩ maximum
Operate time	AC: 30mS maximum. DC: 20mS maximum
Release time	AC: 30mS maximum. DC: 20mS maximum
Insulation resistance	1000MΩ minimum at 500VDC
Dielectric strength	Between open contact: 1000 VAC for 1 minute
	Between contact and coil: 1500VAC for 1 minute
	Between live parts and ground: 1500VAC 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	AgCdO/AgSnO ₂ gold flashed
Weight (approx.)	88g

⇒ **Coil rating**

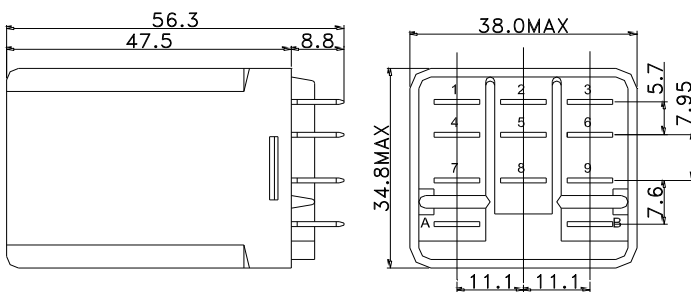
Rated voltage (V)		Coil resistance (Ω)	Max. pull-in voltage	Min. dropout voltage	Max. allowable voltage	Power consumption		
							±10% at 25°C	% of rated voltage at 25°C
DC	1C 2C	6	29.5	75 Max.	10 Min.	Approx. 1.2W		
		12	120					
		24	472					
		48	1800					
		110	10000					
		125	10000					
	3C	6	21.3			85 Max.	30MIN.	APPROX. 3VA
		12	85					
		24	340					
		48	1360					
		110	8500					
		125	8500					
AC	1C 2C	6	4.43	85 Max.	110Max.	APPROX. 3.4VA		
		12	17.7					
		24	72					
		110	1580					
		120	1630					
		220	5850					
	3C	240	7200			110Max.	30MIN.	APPROX. 3.4VA
		6	3.8					
		12	15					
		24	60					
		48	240					
		120	1300					
		240	4300					

Terminal style:

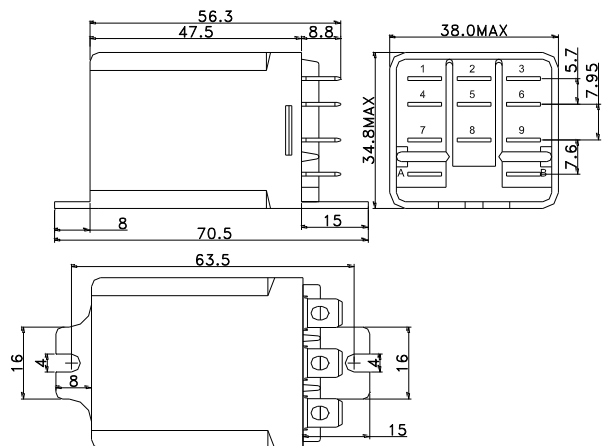


Cover style:

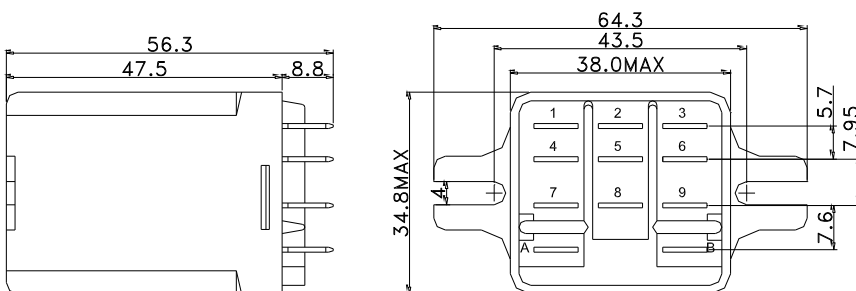
Plain cover: code C



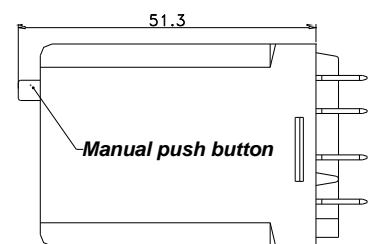
Side flange cover: code C1



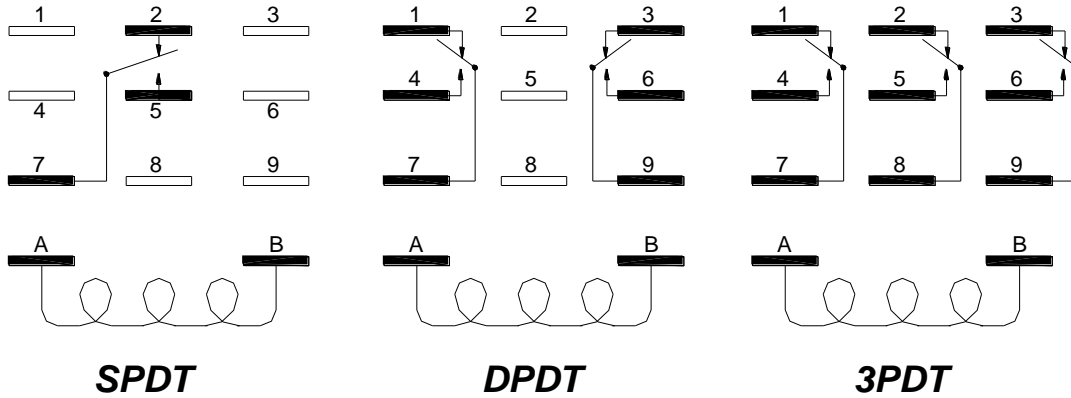
Top flange cover: code C3



Push button diagram: code M



Wire diagrams:(Bottom View)



How to order

BTA3-3C - S - C L M - 12 VAC - F

