

RELAYS & COMPONENTS *BT199*



- Panel mount, open style construction
- Multi contact configurations up to 40 AMPS switching
- Magnetic blowout for DC switching
- Class B insulation system
- Screw or box terminal wire connections
- Auxiliary switch

⇒ Contact rating

	BT199-1C/2C/2A/1X/1Y(40A)	BT199-1C/2C/2A/1X/1Y(20A)
Contact capacity resistive load (Cos.=1)	40A 300VAC	20A 300VAC
	40A 28VDC	20A 28VDC
Motor load	2Hp 120 thru 600VAC,50/60Hz	1Hp 120 thru 600VAC,50/60Hz

⇒ 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			
AC	1C	6	0.86	85 Max.	30 Min.	110 Max.	Approx. 10VA
		12	3.2				
	2C	24	12				
		48	46				
	1X	110/120	260				
	1Y	208	850				
	2A	220	1040				
		240	1200				
		277	1500				
		480	4500				

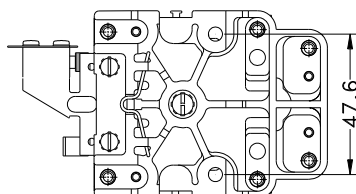
DC	1C	6	18	80 Max.	10 Min.	110 Max.	Approx. 2W
	2C	12	70				
	1X	24	290				
	1Y	48	1200				
	2A	110/125	6000				

⇒ Specifications

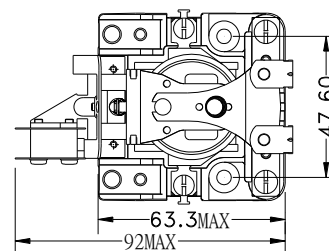
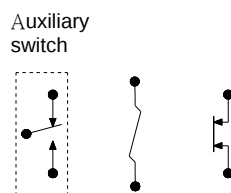
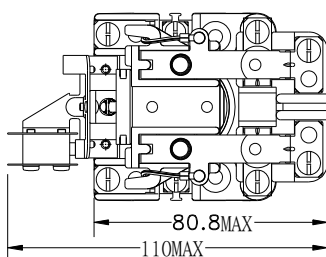
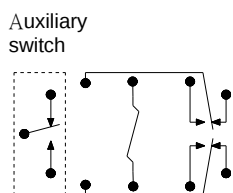
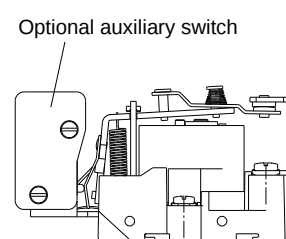
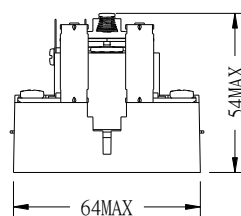
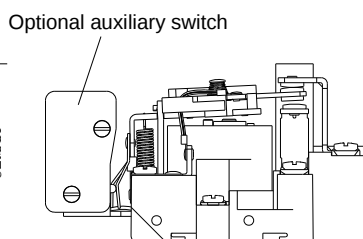
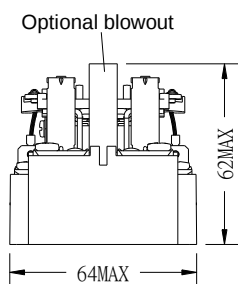
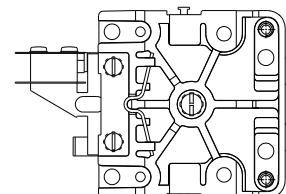
Contact resistance	50mΩ Maximum.
Operate time	20mS Maximum.
Release time	15mS Maximum.
Insulation resistance	1000MΩ Minimum. At 500VDC.
Dielectric strength	Between open contact: 1500 VAC for 1 minute.
	Between contact and coil: 2200VAC for 1 minute.
	Between live parts and ground: 2200VAC for 1 minute.
Temperature (operating)	-55°C TO +50°C (AC); -55°C TO +80°C (DC).
Mechanical life	10,000,000 operations.
Electrical life	100,000 operations.
Contact material	AgSnO2 gold flashed
Weight (approx.)	311g

⇒ Dimensions & wire diagrams

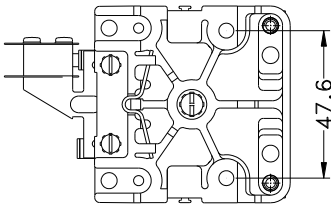
2C



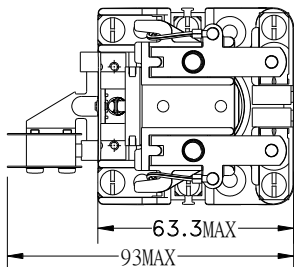
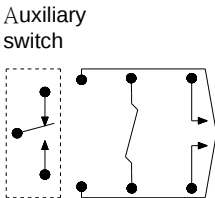
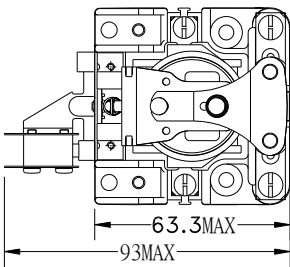
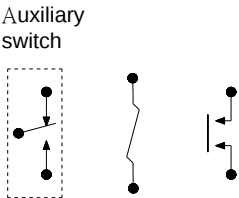
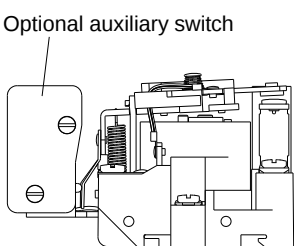
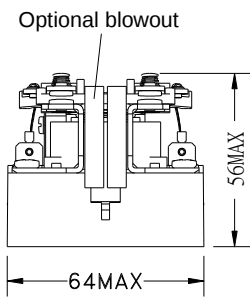
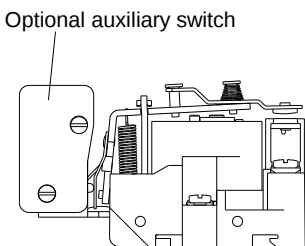
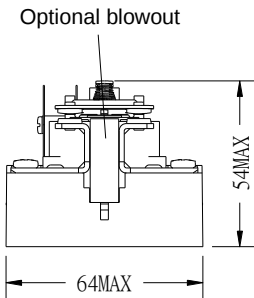
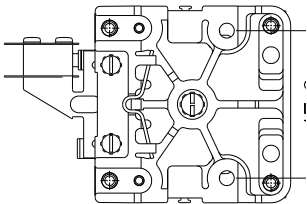
1Y



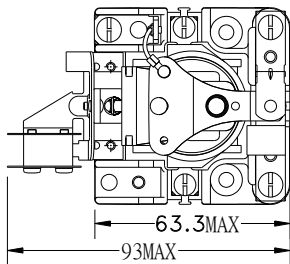
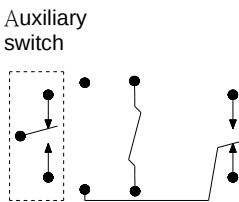
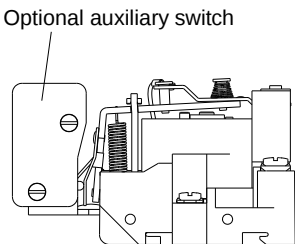
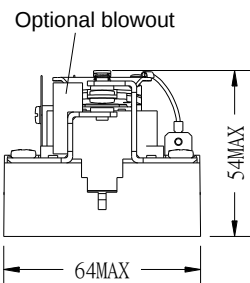
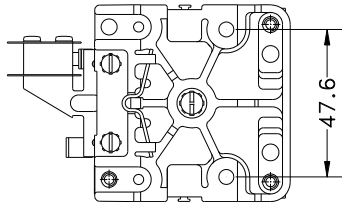
1X



2A



1C



 How to order