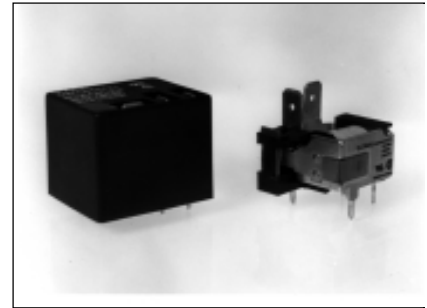


■ **Features**

- 45A Capacity utilizing blow-out magnet technology
- PCB power terminals, top QC load terminals
- Meets UL508 & UL873 spacing requirements
- Available in Class B or Class F versions

■ **Characteristics**

- Operate Time: 15ms, approx.
- Release Time: 10ms, approx.
- Initial Dielectric Strength: 1500 VAC
- Insulation Resistance: >100M Ω @ 500 VDC
- Shock Resistance: 100m/s² 11ms
- Vibration Resistance: 10-55Hz, 1.5mm DA
- Power Consumption: 1W, approx.
- Ambient temperature: -55 C^o to +85 C^o operating
- Weight: 32g, approx.



Typical Applications: Electric Heater, Air Conditioning, Automotive, Refrigeration, Refrigeration, Appliances, Ventilator

■ **Contact Data**

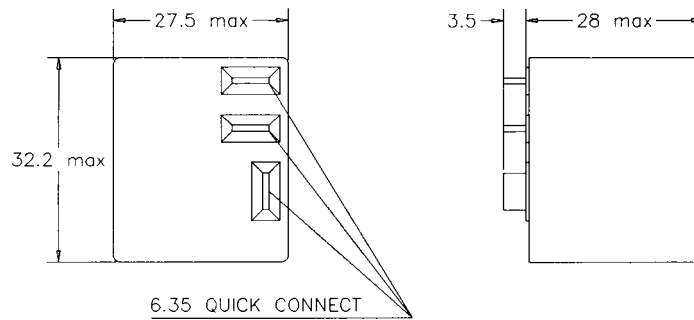
- Contact Arrangement: 1 Form A (1A) ; 1 Form B (1B) ; 1 Form C (1C)
- Rated Load: 1A = 45A @ 28VDC/240VAC
 1B = 15A @ 28VDC/240VAC
 1C = N/O 30A @ 28VDC/240VAC
 N/C 15A @ 28VDC/240VAC
- Contact Material: AgCdO
- Contact Resistance: 50m Ω @ 100A, 6VDC
- Electrical Life: 5 x 10⁶ operations (typical)
 0.5 x 10⁶ operations @ 16A, 277VAC/24VDC, Resistive
 0.2 x 10⁶ operations @ 20A, 277VAC/24VDC, Resistive
 0.25 x 10⁶ operations @ 8A, 120VAC, Tungsten

■ **Coil Data**

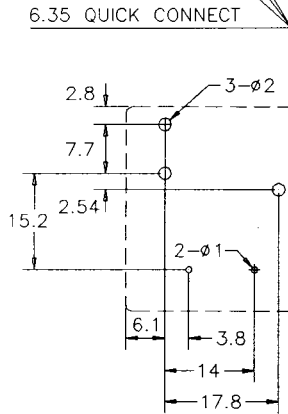
| Nominal Voltage | Resistance +/- 10% | Must Operate Max. V | Must Release Min V |
|-----------------|-----------------------|------------------------|-----------------------|
| 5 | 27 | 3.75 | 0.5 |
| 6 | 40 | 4.50 | 0.6 |
| 9 | 97 | 6.75 | 0.9 |
| 12 | 155 | 9 | 1.2 |
| 24 | 660 | 18 | 2.4 |
| 48 | 2560 | 36 | 4.8 |
| 110 | 13440 | 82.50 | 11.0 |

■ **Overall Dimensions, PCB and Wiring Diagrams**

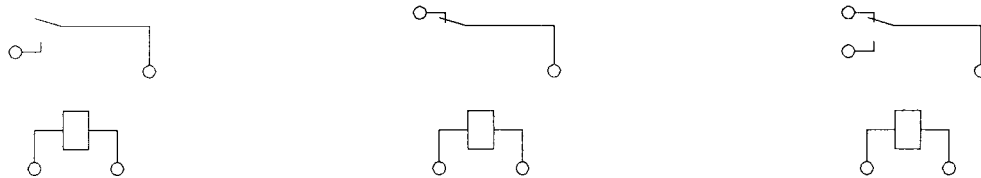
Overall Dimensions



PCB Opening



Wiring Diagram



■ **How to Order**

G903 A S - DC12 - 2

- Basic Model
- Contact Arrangement: A=1A; B=1B; C=1C
- Cover: O=Open Frame; D=Dust Cover; S=Sealed
- Coil Voltage (DC): 5,6,9,12,18,24,48,110
- Insulation Class: Blank= Class B; 2=Class F