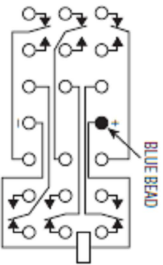
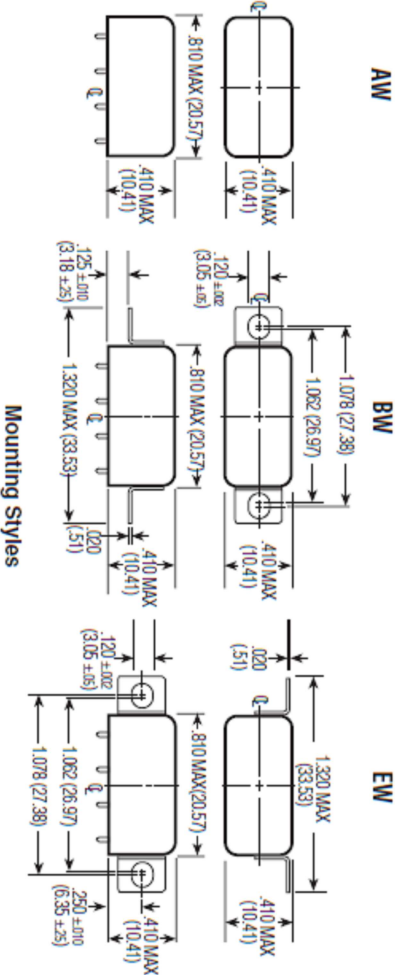


| REVISIONS |     |                 |           |       |
|-----------|-----|-----------------|-----------|-------|
| P         | LTR | DESCRIPTION     | DATE      | DWN   |
|           |     |                 |           | APVD  |
|           | A   | INITIAL DRAWING | 03JUL2020 | VR MB |

SS  
Six Pole Half Size  
High Performance Relay  
Designed to  
MIL-R-39016



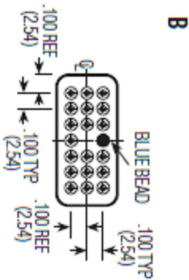
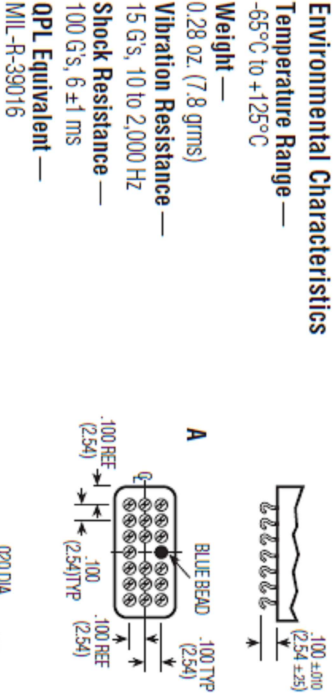
Terminal View



Mounting Styles

- Product Facts**
- Hermetically sealed
  - Up to 2 amps switching
  - High shock & vibration ratings
  - Optional terminals & mounting styles
  - 6 form C Hi-density design

- Operating Characteristics**
- Timing** —  
Operate Time — 5.0 ms max.  
Release Time — 5.0 ms max.
- Contact Bounce** — 5.0 ms max
- Dielectric Withstanding Voltage** —  
Between Open Contacts —  
350 Vrms 60 Hz  
Between Adjacent Contacts —  
500 Vrms 60 Hz  
Between Contacts & Coil —  
500 Vrms 60 Hz
- Insulation Resistance** —  
1,000 megohms min. @ 500 Vdc



- Electrical Characteristics**
- Contact Arrangement** —  
6-Form C (6PDT)
- Contact Material** —  
Stationary —  
Gold plated hardened silver alloy  
Movable —  
Gold plated hardened silver alloy
- Contact Resistance** —  
Before Life — 50 milliohms max.  
(measured at 10 mA @ 6 Vdc)  
After Life — 100 milliohms max.  
(measured @ 2 A @ 28 Vdc)
- Mechanical Life Expectancy** —  
1 million operations min.
- Coil Voltage** — 5 to 26.5 Vdc
- Coil Power** — 2.6 watts max. @ 25°C
- Duty Cycle** — Continuous
- Pick-up Voltage** — Approximately  
50% of nominal coil voltage
- Pick-up Sensitivity** — 475 mW

| Contact Ratings                 |  | Type              |  | Operations Min. |
|---------------------------------|--|-------------------|--|-----------------|
| Contact Load                    |  |                   |  |                 |
| 2 A @ 28 Vdc                    |  | Resistive         |  | 100,000         |
| 0.3 A @ 115 Vac, 60 Hz & 400 Hz |  | Resistive         |  | 100,000         |
| 0.75 A @ 28 Vdc                 |  | Inductive (200mH) |  | 100,000         |
| 0.1 A @ 28 Vdc                  |  | Intermediate      |  | 50,000          |
| 0.2 A @ 28 Vdc                  |  | Lamp              |  | 100,000         |
| 10 µA @ 50 mV                   |  | Low Level         |  | 1,000,000       |

Standard Coil Data

| Nom. Coil Voltage (Vdc) | Resistance in Ohms ±10% @ 25°C | Pickup Voltage (Max.) @ 25°C | Pickup Voltage (Max.) @ 125°C | Drop-out Voltage (Min.) @ 25°C | Drop-out Voltage (Min.) @ -65°C | Nom. Coil Power (W) @ 25°C | Max. Coil Voltage | Coil Design. |
|-------------------------|--------------------------------|------------------------------|-------------------------------|--------------------------------|---------------------------------|----------------------------|-------------------|--------------|
| 5.0                     | 20                             | 2.75                         | 3.8                           | 0.35                           | 0.23                            | 1.25                       | 6.0               | 5            |
| 6.0                     | 25                             | 3.5                          | 4.5                           | 0.45                           | 0.3                             | 1.44                       | 8.0               | 6            |
| 12.0                    | 100                            | 6.5                          | 9.0                           | 0.9                            | 0.6                             | 1.44                       | 15.0              | 12           |
| 26.5                    | 390                            | 14.0                         | 18.0                          | 1.8                            | 1.2                             | 1.8                        | 32.0              | 24           |

Specifying a Part Number Example:

Type      Mountings      Contacts      Coils      Terminals  
SS      BW-      6C-      24      B

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

FINISH ± -

MATERIAL -

FINISH -

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN 03JUL2020

VR

CHK 03JUL2020

RV

APVD 03JUL2020

MB

NAME

SS--SERIES

SIX POLE HALF SIZE

HIGH PERFORMANCE RELAY

SIZE A3

CAGE CODE -

DRAWING NO G-SS--SERIES

RESTRICTED TO -

CUSTOMER DRAWING

SCALE NTS

SHEET 1 of 1

REV A

ALL DIMENSIONS ARE IN INCHES(MM)

1470-19 (1/15)

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