




Hermetic Switch Proximity Sensors

STEEL SENSING

LOW PROFILE

| Parameters | | | STEEL SENSING | | | LOW PROFILE | | | | | | |
|----------------------------|------|----------|----------------|----------------|----------------|----------------|--------------------------------------|----------------|---|---|---|----------------|
| | | | PRX+4100 | PRX+4400 | PRX+4800 | PRX+7100 | PRX+7200 | PRX+7300 | PRX+8200 | PRX+8300 | PRX+8500 | PRX+8800 |
| Configuration | Type | | Form A SPST-NO | Form A SPST-NO | Form A SPST-NO | Form A SPST-NO | Form C SPDT | Form B SPST-NC | Form A SPST-NO | Form C SPDT-NO | Form A SPST-NO | Form B SPST-NC |
| Figure | | | 1 | 3 | 5 | 2 | 2 | 2 | 6 | 6 | 6 | 6 |
| Switching Voltage | Max | Volts DC | 100 | 50 | 50 | 30 | 30 | 30 | 200 | 120 | See Note 5 | 120 |
| Switching Current | Max | A | 0.25 | 0.25 | 3 | 0.20 | 0.10 | 0.10 | 0.50 | 0.25 | 2 AC | 0.25 |
| Switching Power | Max | W/VA | 10 | 10 | 200 | 4 | 3 | 3 | 10 | 3 | 250VA | 3 |
| Voltage Breakdown | Min | Volts DC | 200 | 50 | 50 | 300 | 200 | 200 | 400 | 400 | N/A | 400 |
| Initial Contact Resistance | Max | Ohms | 1.0 | 1.0 | 1.0 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | N/A | 0.25 |
| Operating Temp. | Max | °C | +80 | +125 | +125 | +75 | +80 | +75 | +105 | +60 | +100 | +105 |
| Must Operate* | | Inch | 0.250 | 0.250 | 0.400 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Must Release*† | | Inch | 0.310 | 0.310 | 0.675 | 1 | 1 | 1 | 1 | 1 | 1.25 | 1 |
| Wire Color/AWG | | | Blk/20 | Blk/16 | Blk/16 | Gray/24 | Red-NC/28 Wht-NO/28 Blk-Com/28 | Gray/24 | Wht/22 | Blue-NC/22 Red-NO/22 Wht-Com/22 | Wht/22 Red/22 | Red/22 |
| Actuator Part No. | | | STEEL TARGET | | | 7000 | 7000 | 7000 | 8100 | 8100 | 8100 | 8100 |
| Actuator Figure | | | See Page 18 | | | 4 | 4 | 4 | 7 | 7 | 7 | 7 |
| Switch Rating | | | - | - | - | - | - | - |  |  |  | - |
| Notes | | | 1,3,6 | 2,3 | 2,3,4 | 1,3 | 1,3 | 1,3 | 1,3 | 1,3 | 1,5,6,7 | 1,3 |

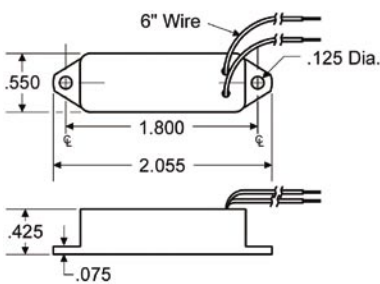


FIGURE 1

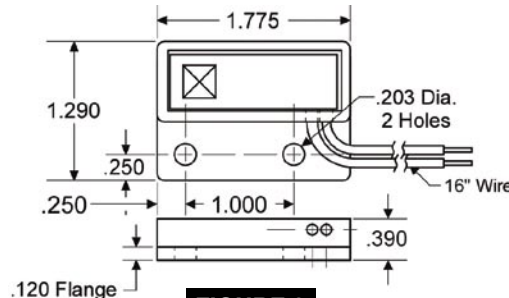


FIGURE 3

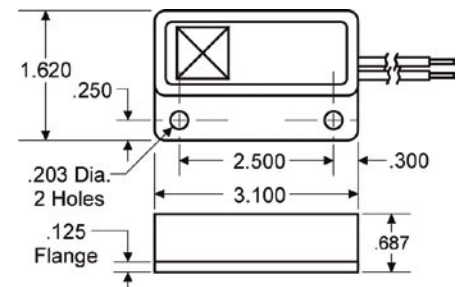


FIGURE 5

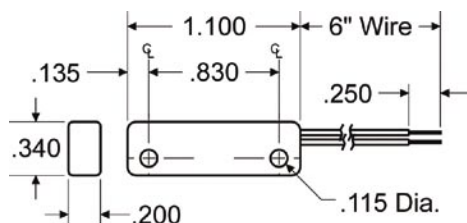


FIGURE 2

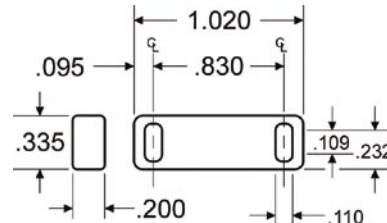


FIGURE 4