



## Coil Data

at 20°C

|           | Nominal Voltage VDC | Pick-up Voltage VDC | Drop-out Voltage VDC | Coil resistance $\Omega \pm 10\%$ | Parallel <sup>(1)</sup> resistance $\Omega \pm 5\%$ | Equivalent resistance $\Omega \pm 10\%$ | Power consumption W | Max. allowable overdrive voltage <sup>(2)</sup> VDC |      |
|-----------|---------------------|---------------------|----------------------|-----------------------------------|---|---|---------------------|---|------|
|           |                     |                     |                      |                                   |   |   |                     | 20°C  | 85°C |
| Standard  | 12                  | 7.2                 | 1.2                  | 90                                | -   | -                                       | 1.6                 | 20  | 15   |
|           | 12                  | 7.2                 | 1.2                  | 90                                | 680   | 79.5                                    | 1.8                 | 20  | 15   |
|           | 24                  | 14.4                | 2.4                  | 360                               | -   | -                                       | 1.6                 | 40  | 30   |
|           | 24                  | 14.4                | 2.4                  | 360                               | 2700  | 317.6                                   | 1.8                 | 40  | 30   |
| Sensitive | 12                  | 7.2                 | 1.2                  | 124                               | -   | -                                       | 1.2                 | 25  | 19   |
|           | 12                  | 7.2                 | 1.2                  | 124                               | 680   | 104.9                                   | 1.4                 | 20  | 15   |
|           | 24                  | 14.4                | 2.4                  | 441                               | -   | -                                       | 1.3                 | 47  | 35   |
|           | 24                  | 14.4                | 2.4                  | 441                               | 1800  | 354.2                                   | 1.6                 | 33  | 25   |

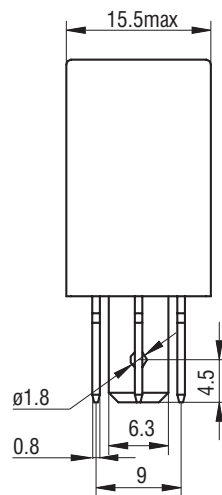
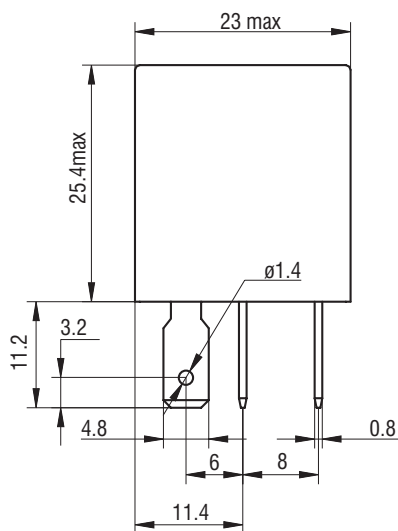
(1) The power consumption of parallel resistance is 0.5W

(2) Max. allowable overdrive voltage is stated with no load applied and minimum coil resistance

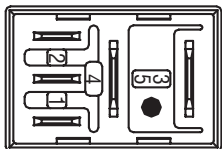
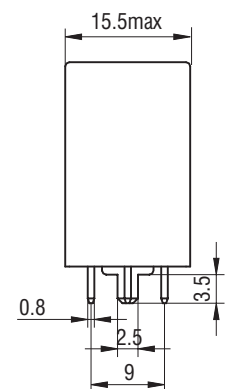
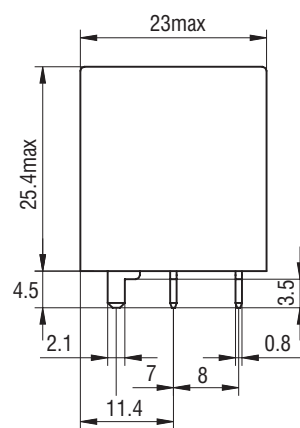
## Outline dimensions(mm)

Wiring diagram and PC Board layout

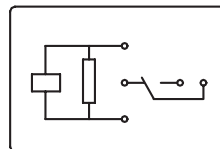
SRZ



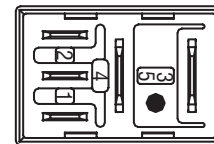
SRZP



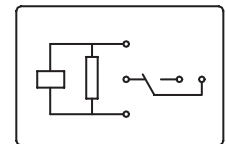
Pin 1 (86) coil  
Pin 2 (85) coil  
Pin 3 (30) common  
Pin 4 (87a) N.C. contact  
Pin 5 (87) N.O. contact



(Bottom View)



(Bottom View)



# Automotive Relay SRZ



## Characteristic Curve

