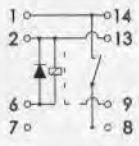
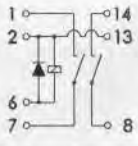
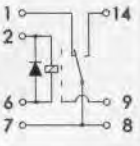
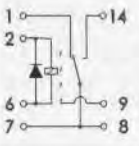
# DIL-SIL-REED RELAYS

| Version | | | DIL-High Profile | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Contact Form** | | | 1 Normally Open | | | 2 Normally Open | | | 1 Change Over | | | 1 Change Over | | |
| **Type** | | | 3570 1210 ... | | | 3572 1220 ... | | | 3563 1231 ... | | | 3573 1231 ... | | |
| **Features** | | | - Industry-standard housing | | | - Industry-standard housing | | | - Industry-standard housing | | | - Industry-standard housing | | |
| **Coil Parameters** | | | | | | | | | | | | | | |
| Nominal coil voltage | | VDC | 5 | 12 | 24 | 5 | 12 | 24 | 5 | 12 | 24 | 5 | 12 | 24 |
| Pull-in voltage | max. | VDC | 3,8 | 9 | 18 | 3,8 | 9 | 18 | 3,8 | 9 | 18 | 3,5 | 8 | 16 |
| Drop-out voltage | min. | VDC | 0,8 | 1 | 2 | 0,8 | 1 | 2 | 1 | 2 | 4 | 1 | 2 | 4 |
| Operating voltage | max. | VDC | 20 | 30 | 40 | 10 | 20 | 40 | 10 | 18 | 35 | 10 | 18 | 35 |
| Coil resistance | ±10% | Ω | 500 | 1000 | 2150 | 140 | 500 | 2150 | 200 | 500 | 2150 | 200 | 500 | 2150 |
| **Contact Parameters** | | | | | | | | | | | | | | |
| Switching capacity | max. | W/VA | 10 | | | 10 | | | 3 | | | 5 | | |
| Switching voltage | max. | V | 100 AC/DC | | | 100 AC/DC | | | 70 AC / 100 DC | | | 100 AC/DC | | |
| Switching current | max. | A | 0,5 | | | 0,5 | | | 0,25 | | | 0,5 | | |
| Carrying current | max. | A | 1,0 | | | 1,0 | | | 0,5 | | | 1,0 | | |
| Contact resistance | max. | mΩ | 150 | | | 150 | | | 200 | | | 150 | | |
| Dielectric strength | min. | VDC | 200 | | | 200 | | | 140 | | | 200 | | |
| **Relay Parameters** | | | | | | | | | | | | | | |
| Dielectric strength | coil/contact | VDC | 1000 | | | 1000 | | | 1000 | | | 500 | | |
| Insulation resistance | coil/contact | Ω | $10^{10}$ | | | $10^{10}$ | | | $10^{10}$ | | | $10^{10}$ | | |
| Storage temperature | | °C | -40...+105 | | | -40...+105 | | | -40...+105 | | | -40...+105 | | |
| Operating temperature | | °C | -35...+80 | | | -35...+80 | | | -35...+80 | | | -35...+80 | | |
| Pull-in time incl. bounce time max. | | ms | 0,5 | | | 0,5 | | | 2,0 | | | 1,2 | | |
| Drop-out time with diode | | ms | 0,5 | | | 0,5 | | | 3,0 | | | 0,8 | | |
| Dimensions | | page | 20 | | | 20 | | | 20 | | | 20 | | |
| Weight | | approx. g | 2,3 | | | 2,3 | | | 2,3 | | | 2,3 | | |
| Pin configuration (top view) | | |  | | |  | | |  | | |  | | |

**General Parameters**

**Life Expectancy**

The life expectancy of a Reed Relay is at least $10^5$...$10^6$ operations at nominal load. At minimum load the life expectancy can be up to 5 x $10^8$ operations.
The mechanical life expectancy is $10^9$ operations (minimum).
Through the switching of higher loads, especially inductive or capacitive and lamp loads, life expectancy can be considerably reduced due to exceeding the permissible maximum current.

**Order Example:**

35 70 1210 05 1

- Product group
- Contact code
- Standard type
- Version
  - 1 = without diode
  - 3 = with diode
- Nominal coil voltage
  - 05 = 5V
  - 12 = 12V
  - 24 = 24V