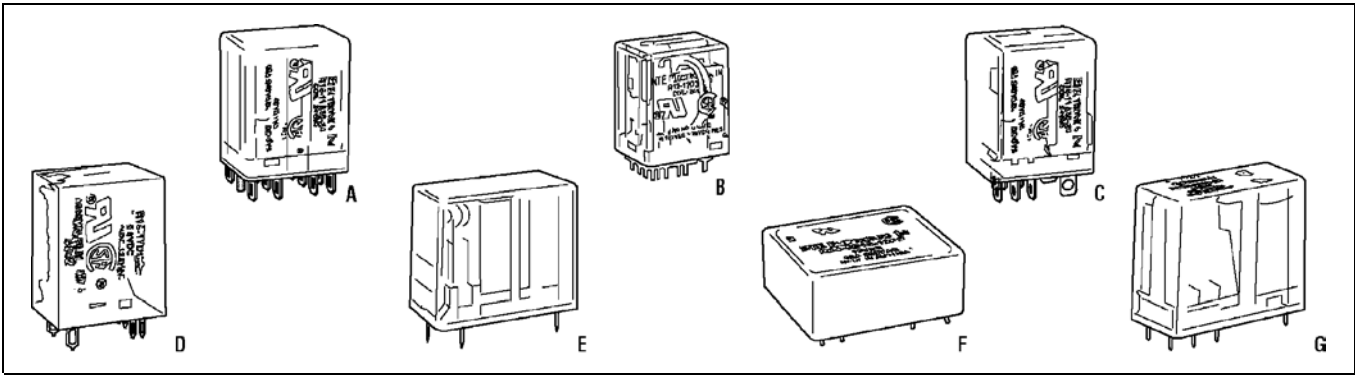




R12 Series — General Purpose Relays

- Features

  - ▶ Slightly Larger Than 1 Cubic Inch
  - ▶ Clear Plastic Dust Cover
  - ▶ High Reliability, 50 Million Operations
  - ▶ Plug-In or Solder Terminals
- Electrical Specifications

  - ▶ Operating Time: 25 mS or Less
  - ▶ Release Time: 25 mS or Less
  - ▶ Duty Cycle: Continuous
  - ▶ Operating Temperature: -30° to +55°C

AC Operated

| Stock No. | Mfr.'s Type  | Fig. | Nominal Voltage | Contact Arrangement | Nominal Power | Max. Contact Current @ 120 VAC | EACH  |
|-----------|--------------|------|-----------------|---------------------|---------------|--------------------------------|-------|
| 235-0019  | R12-17A3-24  | A    | 24 VAC          | 4PDT                | 1.2 VA        | 3 A                            | 10.83 |
| 235-0092  | R12-17A3-24P | A    | 24 VAC          | 4PDT                | 1.2 VA        | 5 A                            | 10.85 |

DC Operated

| Stock No. | Mfr.'s Type | Fig. | Nominal Voltage | Contact Arrangement | Coil Res. Ω (Typ.) | Nominal Power | Max. Contact Current @ 28 VDC | EACH  |
|-----------|-------------|------|-----------------|---------------------|--------------------|---------------|-------------------------------|-------|
| 235-0021  | R12-17D3-12 | B    | 12 VDC          | 4PDT                | 160                | 0.9 W         | 3 A                           | 11.00 |
| 235-0022  | R12-17D3-24 | B    | 24 VDC          | 4PDT                | 650                | 0.9 W         | 3 A                           | 11.11 |

R14 Series — General Purpose Relays

- Features

  - ▶ Slightly Larger Than 1 Cubic Inch
  - ▶ Clear Plastic Dust Cover
  - ▶ High Reliability, 50 Million Operations
  - ▶ Plug-In or Solder Terminals
- Electrical Specifications

  - ▶ Operating Time: 25 mS or Less
  - ▶ Release Time: 25 mS or Less
  - ▶ Duty Cycle: Continuous
  - ▶ Operating Temperature: -30° to +55°C

AC Operated

| Stock No. | Mfr.'s Type   | Fig. | Nominal Voltage | Contact Arrangement | Max. Nominal Power 120 VAC | Contact Current @ | EACH  |
|-----------|---------------|------|-----------------|---------------------|----------------------------|-------------------|-------|
| 235-0023  | R14-11A10-24  | C    | 24 VAC          | DPDT                | 1.2 VA                     | 10 A              | 8.91  |
| 235-0024  | R14-11A10-120 | C    | 120 VAC         | DPDT                | 1.2 VA                     | 10 A              | 8.67  |
| 235-1030  | R14-14A10-24  | C    | 24 VAC          | 3PDT                | 1.2 VA                     | 10 A              | 11.84 |
| 235-1032  | R14-14A10-120 | C    | 120 VAC         | 3PDT                | 1.2 VA                     | 10 A              | 12.02 |
| 235-1034  | R14-17A10-24  | C    | 24 VAC          | 4PDT                | 1.2 VA                     | 10 A              | 12.70 |
| 235-1036  | R14-17A10-120 | C    | 120 VAC         | 4PDT                | 1.2 VA                     | 10 A              | 12.49 |

DC Operated

| Stock No. | Mfr.'s Type  | Fig. | Nominal Voltage | Contact Arrangement | Coil Res. Ω (Typ.) | Max. Nominal Power 28 VDC | Contact Current @ | EACH  |
|-----------|--------------|------|-----------------|---------------------|--------------------|---------------------------|-------------------|-------|
| 235-0025  | R14-5D15-12  | C    | 12 VDC          | SPDT                | 160                | 0.9 W                     | 15 A              | 7.55  |
| 235-0026  | R14-11D10-12 | C    | 12 VDC          | DPDT                | 160                | 0.9 W                     | 10 A              | 7.97  |
| 235-0027  | R14-11D10-24 | C    | 24 VDC          | DPDT                | 650                | 0.9 W                     | 10 A              | 8.05  |
| 235-1038  | R14-14D10-12 | C    | 12 VDC          | 3PDT                | 107                | 0.9 W                     | 10 A              | 11.84 |
| 235-1040  | R14-14D10-24 | C    | 24 VDC          | 3PDT                | 410                | 0.9 W                     | 10 A              | 11.84 |
| 235-1042  | R14-17D10-12 | C    | 12 VDC          | 4PDT                | 100                | 0.9 W                     | 10 A              | 13.34 |
| 235-1044  | R14-17D10-24 | C    | 24 VDC          | 4PDT                | 350                | 0.9 W                     | 10 A              | 13.34 |

R16 Series — Miniature Industrial Relays

- Features

  - ▶ Combination Plug-In/Solder Terminals
  - ▶ Clear Plastic Dust Cover
  - ▶ Gold Overlay Bar Type Long Life Contacts
- Electrical Specifications

  - ▶ Operating Time: 12 mS or Less
  - ▶ Release Time: 8 mS or Less
  - ▶ Operating Temperature: -55° to +70°C, 10 Sec. Max.

DC Operated

| Stock No. | Mfr.'s Type | Fig. | Nominal Voltage | Contact Arrangement | Coil Res. Ω (Typ.) | Max. Nominal Power 28 VDC | Contact Current @ | EACH |
|-----------|-------------|------|-----------------|---------------------|--------------------|---------------------------|-------------------|------|
| 235-0028  | R16-11D3-12 | D    | 12 VDC          | DPDT                | 185                | 0.75 W                    | 3 A               | 8.00 |
| 235-0030  | R16-11D5-24 | D    | 24 VDC          | DPDT                | 700                | 1.00 W                    | 5 A               | 8.01 |

R22 Series — Slim Line Relays

- Features

  - ▶ Sealed Construction
  - ▶ Long Life
  - ▶ PC Board Mount
- Electrical Specifications

  - ▶ Operating Time: 30 mS or Less
  - ▶ Release Time: 8 mS or less
  - ▶ Operating Temperature: -30° to +70°C

DC Operated

| Stock No. | Mfr.'s Type | Fig. | Nominal Voltage | Contact Arrangement | Coil Res. Ω (Typ.) | Max. Nominal Power 30 VDC | Contact Current @ | EACH |
|-----------|-------------|------|-----------------|---------------------|--------------------|---------------------------|-------------------|------|
| 235-0505  | R22-5D16-24 | E    | 24 VDC          | SPDT                | 1100               | 540 mW                    | 16 A              | 5.30 |

R24 Series — Upright Epoxy Sealed Power Relays

- Features

  - ▶ High Dielectric — 400 VRMS Between Control and Switching Circuits
  - ▶ Cut-Off Nib After PCB Washing
  - ▶ 94 V-0 Enclosure
- Electrical Specifications

  - ▶ Operating Time: 15 mS Approx.
  - ▶ Release Time: 10 mS Approx.
  - ▶ Switching Rate: 5 Operations Per Second (Max.)
  - ▶ Operating Temperature: -40° to +70°C

DC Operated

| Stock No. | Mfr.'s Type   | Fig. | Nominal Voltage | Contact Arrangement | Coil Res. Ω (Typ.) | Max. Nominal Power 28 VDC | Contact Current @ | EACH |
|-----------|---------------|------|-----------------|---------------------|--------------------|---------------------------|-------------------|------|
| 235-0034  | R24-5D10-12V  | E    | 12 VDC          | SPDT                | 230                | 0.6 W                     | 10 A              | 6.22 |
| 235-0035  | R24-5D10-24V  | E    | 24 VDC          | SPDT                | 920                | 0.6 W                     | 10 A              | 5.57 |
| 235-1028  | R24-5D10-24FP | F    | 24 VDC          | SPDT                | 1200               | 600.0 mW                  | 10 A              | 5.38 |

R25 Series — Upright Epoxy Sealed Power Relays

- Features

  - ▶ High Dielectric — 400 VRMS Between Control and Switching Circuits
  - ▶ Suitable for 5 mm Grid Pattern
  - ▶ Immersion Proof
- Electrical Specifications

  - ▶ Operating Time: 8 mS Approx.
  - ▶ Release Time: 5 mS Approx.
  - ▶ Switching Rate: 20 Operations Per Second (Max.)
  - ▶ Operating Temperature: -40° to +70°C

DC Operated

| Stock No. | Mfr.'s Type   | Fig. | Nominal Voltage | Contact Arrangement | Coil Res. Ω (Typ.) | Max. Nominal Power 28 VDC | Contact Current @ | EACH |
|-----------|---------------|------|-----------------|---------------------|--------------------|---------------------------|-------------------|------|
| 235-2006  | R25-1D16-12   | G    | 12 VDC          | SPST-NO             | 270                | 500 mW                    | 16 A              | 5.38 |
| 235-2010  | R25-5D16-12   | G    | 12 VDC          | SPDT                | 270                | 500 mW                    | 16 A              | 5.51 |
| 235-2012  | R25-5D16-48   | G    | 48 VDC          | SPDT                | 4200               | 500 mW                    | 16 A              | 5.51 |
| 235-2013  | R25-11D10-5/6 | G    | 5/6 VDC         | DPDT                | 68                 | 500 mW                    | 10 A              | 5.14 |
| 235-2014  | R25-11D10-12  | G    | 12 VDC          | DPDT                | 270                | 500 mW                    | 10 A              | 5.14 |
| 235-2015  | R25-11D10-24  | G    | 24 VDC          | DPDT                | 1100               | 500 mW                    | 10 A              | 5.71 |
| 235-2016  | R25-11D10-48  | G    | 48 VDC          | DPDT                | 4200               | 500 mW                    | 10 A              | 5.71 |