

# General Purpose Switching Relay

## HCR-6 Series

3/4 Hp 125/250 V ac • 12 FLA 60 LRA 15 A Res. @ 125 V ac • 6 FLA 35 LRA 15 A Res. @ 250/277



### Description

The HCR-6 Series relay can be used in many HVAC applications along with general purpose switching applications involving appliances and fan controls. The relay is a single pole or double pole unit that can be provided in various contact forms with power or pilot duty ratings.

### Features & Benefits

| FEATURES  | BENEFITS                              |
|---|---------------------------------------|
| <b>SPNO, SPDT, DPNO &amp; DPDT switching configurations</b> | Meets multiple application needs      |
| <b>Single make/single make contacts</b>                     | Ideal for single contact arrangements |
| <b>.250" (6.35 mm) quick connect terminals</b>              | For easy installation                 |
| <b>Multi-positional mounting options</b>                    | For increased flexibility             |
| <b>Dual coil terminals</b>                                  | Simplifies coil resetting             |

### Applications

- HVAC/R
- Standby Power Supplies
- Telephone Exchanges

### Specifications

|   |   |
|---|---|
| <b>Unit Weight</b>                          | 6.08 oz   |
| <b>Power Pole Terminations</b>              | 0.250" quick connects   |
| <b>Coil Terminal Connections</b>            | 0.250" quick connects   |
| <b>Operating Temperature</b>                | -55 °C to 125 °C  |
| <b>Arrangement</b>                          | SPST-NO; SPST-NC; SPDT; DPST-NO; DPST-NC; DPDT  |
| <b>Specification Special Function</b>       | Class B insulation system   |
| <b>Mounting Method</b>                      | Chassis Mount   |
| <b>Contact Material</b>                     | Silver Cadmium Oxide Alloy  |
| <b>Power Rating</b>                         | 3/4 Hp 125/250 V ac; 12 FLA 60 LRA 15 A Res. @ 125 V ac; 6 FLA 35 LRA 15A Res. @ 250/277 V ac;<br>3 FLA 18 LRA 12.5A Res. @ 480 V ac; 3 FLA 14 LRA 600 V ac |
| <b>Pilot Duty Rating</b>                    | 1/10 Hp 125/250 V ac; 125 Va @ 125/250/480 VAC; 3 A 277 V ac  |
| <b>Mechanical Life Expectancy</b>           | 1 million cycles  |
| <b>Electrical Life Expectancy Resistive</b> | 250,000 cycles  |
| <b>Electrical Life Expectancy Inductive</b> | 100,000 cycles  |
| <b>Nominal Coil Power</b>                   | AC 9.5 VA   |

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### Certification & Compliance

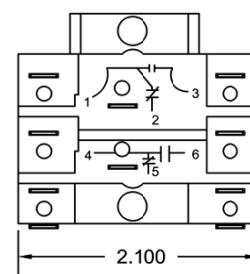
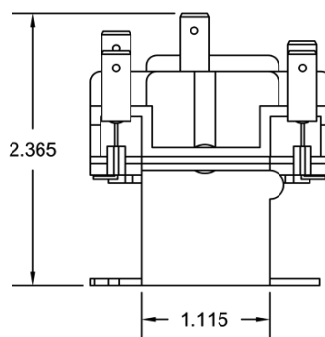
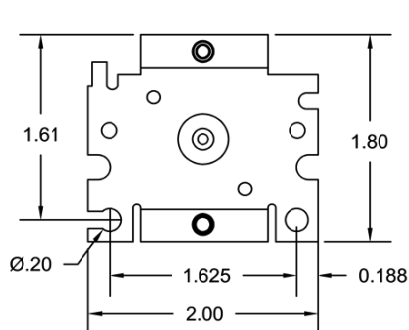
UL 508

File No. E227250

### Ordering Information

| LITTELFUSE CATALOG NUMBER | SPECIFICATION CONTACTOR FORM PER CIRCUIT | FULL LOAD CURRENT INDUCTIVE | FULL LOAD CURRENT INDUCTIVE | FULL LOAD CURRENT RESISTIVE | LOCKED ROTOR CURRENT | SPECIFICATION LOCKED ROTOR CURRENT | SPECIFICATION PULL IN VOLTAGE | NOMINAL COIL VOLTAGE | WEIGHT |
|---------------------------|--|-----------------------------|-----------------------------|-----------------------------|----------------------|------------------------------------|-------------------------------|----------------------|--------|
| 90340                     | DPDT                                     | 12 A @ 125 V ac             | 6 A @ 250/277 V ac          | 15 A                        | 60 A @ 125 V ac      | 35 A @ 250/277 Vac                 | 20.4 V                        | 24 V                 | 0.4 Lb |
| 90341                     | DPDT                                     | 12 A @ 125 V ac             | 6 A @ 250/277 V ac          | 15 A                        | 60 A @ 125 V ac      | 35 A @ 250/277 Vac                 | 102 V                         | 120 V                | 0.4 Lb |
| 90342                     | DPDT                                     | 12 A @ 125 V ac             | 6 A @ 250/277 V ac          | 15 A                        | 60 A @ 125 V ac      | 35 A @ 250/277 Vac                 | 176 V                         | 240 V                | 0.4 Lb |

### Dimensions



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