

# General Purpose Switching Relay

## HCR-5 Series

12 FLA 60 LRA • 18 A Resistive @ 125 V ac • 8 FLA 48 LRA • 18 A Resistive @ 240/277 AC



### Description

The HCR-5 Series relay can be used in HVAC and many other low voltage industrial applications. The relay is a single pole unit that can be provided in various contact forms with power or pilot duty ratings.

### Features & Benefits

FEATURES	BENEFITS
<b>SPNO, SPDT, 1 NO &amp; 1 NC switching configurations</b>	Flexible and meet various customer needs
<b>Double make / double break contacts</b>	Helps increase life of the relay
<b>.250" (6.35 mm) quick connect terminals</b>	For easy installation
<b>Multi-positional mounting options</b>	For increased flexibility

### Applications

- HVAC/R
- Standby Power Supplies

### Specifications

<b>Unit Weight</b>	3.04 oz
<b>Power Pole Terminations</b>	0.250" quick connects
<b>Coil Terminal Connections</b>	0.250" quick connects
<b>Power Terminal Connections</b>	Dual: 0.250" quick connects or #6–32 screw
<b>Operating Temperature</b>	-40 °C to 65 °C; -40 °F to 150 °F (65 °C Maximum)
<b>Arrangement</b>	SPNO; SPDT; 1 NO and 1 NC
<b>Mounting Method</b>	Chassis mount
<b>Specification Special Function</b>	Class B insulation system; double make contact configuration
<b>Contact Material</b>	Silver Cadmium Oxide Alloy
<b>Power Rating</b>	12 FLA 60 LRA; 18 Amps Resistive @ 125 V ac; 8 FLA 48 LRA; 18 Amps Resistive @ 240/277 V ac; SPST-NO only: 25 Amps Resistive @ 277 V ac
<b>Pilot Duty Rating</b>	3 Amps, 277 V ac; 125 VA @ 125 V ac; 250 Va @ 250 V ac; 277 VA @ 277 V ac
<b>Mechanical Life Expectancy</b>	1 million operations
<b>Electrical Life Expectancy Resistive</b>	250,000 operations
<b>Electrical Life Expectancy Inductive</b>	100,000 operations
<b>Nominal Coil Power</b>	DC 2.4 W; AC 4.0 Va

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### Certification & Compliance

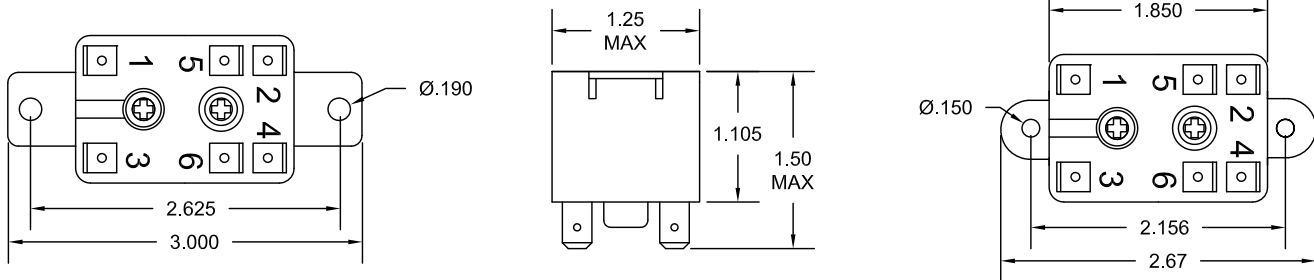
UL 508

File No. E227250

### Ordering Information

LITTELFUSE CATALOG NUMBER	SPECIFICATION CONTACTOR FORM PER CIRCUIT	FULL LOAD CURRENT INDUCTIVE	FULL LOAD CURRENT INDUCTIVE	LOCKED ROTOR CURRENT	LOCKED ROTOR CURRENT	PULL IN VOLTAGE	NOMINAL COIL VOLTAGE	WEIGHT
90290	SPNO	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	20.4 V	24 V	0.18 Lb
90291	SPNO	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	102 V	120 V	0.18 Lb
90370	SPDT	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	20.4 V	24 V	0.18 Lb
90293	SPDT	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	20.4 V	24 V	0.18 Lb
90294	SPDT	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	102 V	120 V	0.18 Lb
90295	SPDT	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	176 V	240 V	0.18 Lb
90292	SPNO	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	176 V	240 V	0.18 Lb
90380	1 NO & 1 NC	12 A @ 125 V ac	8 A @ 240/277 V ac	60 A @ 125 V ac	48 A @ 240/277 V ac	20.4 V	24 V	0.18 Lb

### Dimensions



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