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

## **Applications**

• HVAC/R

• Standby Power Supplies

#### **Specifications**

Unit Weight 3.04 oz

Power Pole Terminations0.250" quick connectsCoil Terminal Connections0.250" quick connects

Power Terminal Connections

Dual: 0.250" quick connects or #6–32 screw

Operating Temperature

-40 °C to 65 °C; -40 °F to 150 °F (65 °C Maximum)

**Arrangement** SPNO; SPDT; 1 NO and 1 NC

Mounting Method Chassis mount

**Specification Special Function**Class B insulation system; double make contact configuration

Contact Material Silver Cadmium Oxide Alloy

Power Rating 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

**Pilot Duty Rating** 3 Amps, 277 V ac; 125 VA @ 125 V ac; 250 Va @ 250 V ac; 277 VA @ 277 V ac

Mechanical Life Expectancy1 million operationsElectrical Life Expectancy Resistive250,000 operationsElectrical Life Expectancy Inductive100,000 operationsNominal Coil PowerDC 2.4 W; AC 4.0 Va



# General Purpose Switching Relay HCR-5 Series

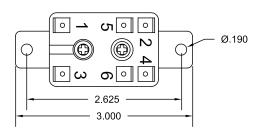
#### **Certification & Compliance**

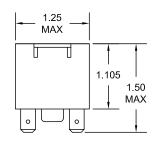
**UL 508** File No. E227250

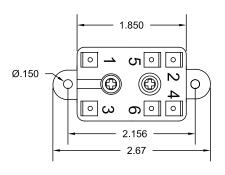
### **Ordering Information**

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**







Disclaimer Notice — Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/product-disclaimer.