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 Terminations	0.250" quick connects
Coil Terminal Connections	0.250" 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 Expectancy	1 million operations
Electrical Life Expectancy Resistive	250,000 operations
Electrical Life Expectancy Inductive	100,000 operations
Nominal Coil Power	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