FeaturesLow cost.

• Contact forms to 2 Form C.

machine tool controls.Variety of mounting styles.

Contact Data @ 25°C

125VAC;

Duty,

• Applications include spa controls, vending machines, HVAC, and

S86R and S87R: 20 amps @ 277VAC; 60 LRA, 12 FLA, 1 HP @

Expected Life: 1 million operations, mechanical; 50,000 operations at

360VA @ 125/250VAC.

48 LRA, 8 FLA @ 240VAC; 2 HP @ 250VAC; Pilot



S86R Mounting Style 1



S87R Mounting Style 2

S86R/S87R series

Low Cost 20 Amp Industrial Relays

A File E22575 **()** File LR15734

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Coil Data

Nominal	Coil Resistance (Ohms)		Nominal			
Coil	AC, ± 15%		Coil Current (mA)			
Voltage	DC, ± 10%		@ 25°C*			
S86R & S87R (AC)	All Mo	dels	All Models			
12VAC	8.0		330			
24VAC	32		165			
120VAC	800		33.0			
240VAC	3,200		16.5			
S87R (DC)	Single	Double	Single	Double		
	Pole	Pole	Pole	Pole		
	Models	Models	Models	Models		
6VDC	12.5	8	480	750		
12VDC	50	32	240	375		
24VDC	200	128	120	188		
36VDC	450	288	80	125		
48VDC	800	512	60	94		
72VDC	1,800	1,150	40	63		
125VDC	5.425	3,470	23	36		

*Increase AC current values by 25% for mounting style 2 with single switch.

Initial Dielectric Strength Initial Breakdown Voltage: 1,560V rms, 60 Hz.

Materials: Silver and silver-cadmium oxide.

rated loads.

Operate Data

Must Operate Voltage: DC Coils: 75% of nominal voltage @ +25°C. AC Coils: 85% of nominal voltage @ +25°C. Operating Position: Relay is designed for operation with plunger either vertical or horizontal; however, the relay is not designed for operation in an upside-down position.

Coil Data @ 25°C

Nominal Power: S86R: 4.0VA for AC models. S87R: 2.9 Watts for single pole DC models. 4.5 Watts for double pole DC models. 4.0VA for AC models. Insulation: Class B (130°C).

Environmental Data

Temperature Range: -10°C to +65°C.

Dimensions are in inches over (millimeters) unless otherwise specified. Specifications and availability subject to change.

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	dimensions	dimensions)							

Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.							
S86R5A1B1D1-120	S86R11D1B1D1-12	S87R5A2B1D1-240	S87R11A2B1D1-24	S87R11A2B1D1240			
S86R11A1B1D1120	S87R5A2B1D1-120	S87R5D2B1D1-24	S87R11A2B1D1120	S87R11D2B1D1-110			

Outline Dimensions

S86R (2 pole shown) Style 1



S87R (2 pole shown) Style 2



Switch Terminal Style

.250" (6.35mm) Quick Connect





