FeaturesLow cost.

• Contact forms to 2 Form C.

machine tool controls.Variety of mounting styles.



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 Resistan	15%	Nominal		
Coil	AC, ±		Coil Current (mA)		
Voltage	DC, ±		@ 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.

## 360VA @ 125/250VAC.

Contact Data @ 25°C

125VAC;

Duty,

Materials: Silver and silver-cadmium oxide. Expected Life: 1 million operations, mechanical; 50,000 operations at rated loads.

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

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

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

## Initial Dielectric Strength

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

## **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 shown for Dimension reference purposes only. Communication (millimete specified. Downloaded from Elcodis.com electronic components distributor

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

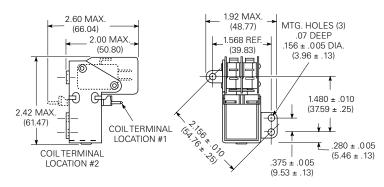
#### tyco Electronics

No. ► <b>S86R</b>	5	Α	1	В	1	D	1	-120
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	imensions) cation (S87):	imensions)						

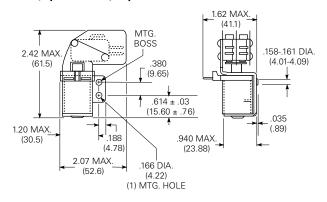
Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.							
S86R5A1B1D1-120	S86R11D1B1D1-12	S87R5A2B1D1-240	S87R11A2B1D1-24	S87R11A2B1D1240			
S86R11A1B1D1120	S87R5A2B1D1-120	S87R5D2B1D1-24	S87R11A2B1D1120	S87R11D2B1D1-110			

## **Outline Dimensions**

#### S86R (2 pole shown) Style 1



#### S87R (2 pole shown) Style 2



## **Switch Terminal Style**

## .250" (6.35mm) Quick Connect



#### **Switch Terminal Configuration**

