



**S86R S86
Mounting
Style 1**



**S87R
Mounting
Style 1**



**S87R
Mounting
Style 2**

S86R/S87R series

**LOW COST
20 AND 10 AMP
INDUSTRIAL RELAYS**

File E22575
File LR15734

FEATURES

- Low cost.
- Contact forms to 2 Form C.
- Applications include spa controls, vending machines, HVAC, and machine tool controls.
- Variety of mounting styles.
- Sensitive coil version.

CONTACT DATA @ 25 C

S86R and S87R: 20 amps @ 277VAC; 60 LRA, 12 FLA, 1 HP @ 125VAC; 48 LRA, 8 FLA @ 240VAC; 2 HP @ 250VAC; Pilot Duty, 360VA @ 125/250VAC.

Materials: Silver and silver-cadmium oxide.

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

INITIAL DIELECTRIC STRENGTH

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

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).

COIL DATA

Nominal Coil Voltage	Coil Resistance (Ohms) AC, ± 15% DC, ± 10%		Nominal Coil Current (mA) @ 25°C*	
S86R & S87R (AC)	All Models		All Models	
12VAC	8.0		330	
24VAC	32		165	
120VAC	800		33.0	
240VAC	3,200		16.5	
S87R (DC)				
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.

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.

ENVIRONMENTAL DATA

Temperature Range: -10°C to +65°C.