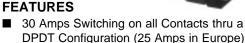
# 270 & 275



270



- Coil Molded in DuPont Rynite®, Providing Class Temperature Insulation
- Low Cost Alternative to Small Contactors

**CONTACT DATA** 

**CONFIGURATION:** 

Thru DPDT, Including SPST-NO-DM, SPST-NC-DB and **DMDB** 

**MATERIALS:** 

All Contacts 1/4" Silver Cadmium Oxide

### **CONTACT RATINGS**

MODEL	POLE CONFIG.	UL RATINGS	
270/275	SPST-NO SPST-NC SPDT DPST-NO DPST-NC DPDT DMDB	30 amp at 300VAC 15 amp at 600VAC 25 amp at 28VDC 1 HP at 120VAC 2 HP at 240/277VAC 3 HP at 480VAC 17 FLA, 60 LRA at 300VAC Heavy Pilot Duty, 600VAC 20 amp at 277VAC Ballast 20 amp at 480VAC Ballast	
	SPST-NO-DM SPST-NC-DB	35 amp at 300VAC 15 amp at 600VAC 35 amp at 28VDC 5 amp at 125VDC 1 HP at 120VAC 2 HP at 240/277VAC 3 HP at 480VAC 17 FLA, 60 LRA at 300VAC Heavy Pilot Duty, 600VAC 20 amp at 277VAC Ballast 20 amp at 480VAC Ballast	
		SEMKO RATINGS	
275F 275P 275T	SPST-NO SPST-NC SPDT DPST-NO DPST-NC DPDT DMDB	25 amp at 250VAC, 50 Hz AC-1 25 amp at 28VDC DC-1 12 amp at 240VAC 50 Hz AC-3	
	SPST-NO-DM SPST-NC-DB	35 amp at 250VAC 50 Hz AC-1 35 amp at 28VDC DC-1 12 amp at 240VAC 50 Hz AC-3	

**UL RECOGNIZED FILE NO.:** E37066

**US and Canadian Recognition** 

SEMKO CERTIFICATE NO.: 9648100/01\* Model 275 F,P, T

275F

## **SERIES 30 AND 35 AMP POWER RELAY**

**MODELS** 

270S: Open Frame w/Stud & Locator Tab

Flange Cover 275F: 275T: Top Mount Cover

Other Suffixes Available

B-Bracket Provided, L-Tap & Locator,

P-Printed Circuit Pins

### **COIL DATA**

	NOMINAL VOLTAGE	RESISTANCE IN OHMS ± 10%	NOMINAL COIL POWER
AC Coils	6VAC	3.5	
	12VAC	14	0.41/4
	24VAC	56	2.4VA
	48VAC	230	
	120VAC	1500	
	240VAC	6000	
DC Coils	6VDC	20	
	12VDC	80	
	24VDC	315	1.8W
	48VDC	1300	
	110VDC	6800	

Coil

Voltages: USA/Canada **European** 

AC: Up to 277 Volts/60 Hz Up to 250 Volts 50/60 Hz DC:

Up to 125 Volts Up to 125 Volts Coil Treatment: Molded Rynite® Std. Class F Insulation Resistance: 100 Megohms Minimum

**UL Insulation System File No.**: E74443 S155D 155°C Total Temperature Std.

(Covers S105 Class A and S130D Class B Requirements)

**OPERATE DATA** 

Pick Up (at 25°C): AC Volts 85% or Less of Nominal

DC Volts 75% or Less of Nominal

**Operate Time:** Approx. 15 Milliseconds Release Time: Approx. 15 Milliseconds

**ENVIRONMENTAL DATA** 

Operating Ambient: AC: -45° to 75°C

DC: -45° to 80°C

Coil Temperature Rise: (25°C Ambient - Continuous Duty)

AC: 45°C Approx. @ 60 Hz - Use at 50 Hz will Cause Slight Increase in Coil Rise

DC: 40°C Approx.

**EXPECTED LIFE** 

**Electrical At Rated Load (Minimum)** 

100,000 Operations

**Mechanical Life** 

10,000,000 Operations

### DIELECTRIC STRENGTH

1200 VRMS, 60 Hz Between Contacts 2200 VRMS, 60 Hz Between Other Elements

### **MECHANICAL DATA**

Terminals: All Versions (Except P Suffix)

.250" x .032" Quick Connect/Solder P Suffix Version Printed Circuit Pins

Cover: Clear Polycarbonate - Flammability Rating 94V2

Weight: Approx. 3 oz. (85 g)

<sup>\*</sup> Double Pole units may require 150°Cload wire for some applications

