

270 & 275



270



275F

SERIES 30 AND 35 AMP POWER RELAY



Model 275 F, P, T

FEATURES

- 30 Amps Switching on all Contacts thru a DPDT Configuration (25 Amps in Europe)
- Coil Molded in DuPont Rynite®, Providing Class F 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

MODELS

- 270S:** Open Frame w/Stud & Locator Tab
 - 275F:** Flange Cover
 - 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	2.4VA
	12VAC	14	
	24VAC	56	
	48VAC	230	
	120VAC	1500	
DC Coils	240VAC	6000	1.8W
	6VDC	20	
	12VDC	80	
	24VDC	315	
	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)

* Double Pole units may require 150°Cload wire for some applications.