



295 Series 10 and 20 Amp Power Plug-in Relay

General purpose relay that controls electrical loads

Features

- 20 Amp Tungsten switching on all contacts
- Molded class F (155°C) coil construction
- Contacts designed for superior switching performance
- Contact wiping action results in long contact life
- PPS molded panel for superior physical characteristics

Typical Applications

- Traffic Controller Equipment



Contact Data	
Configuration	DPDT
Materials	3/8" Silver Cadmium Oxide
Contact Ratings	
Tungsten Load Rating	20 Amps at 120 VAC (2.4 KW) 10 Amps at 240 VAC (2.4 KW)
Coil Data	
Nominal Input Voltage	110/120 VAC 50/60 Hz 220/240 VAC 50/60 Hz
Nominal Coil Power	7.0 VA
Coil Resistance	970 Ohms +/-10% 3660 +/-10%
Coil Insulation	Molded Rynite® PET class F system
Insulation resistance	100 Megaohms minimum
UL Insulation File No.	E74443
Operate Data	
Pull-In voltage	≤ 75% of nominal voltage Drop-Out Voltage ≥ 30% of nominal voltage
Operate Time	20 ms. approx.
Release Time	20 ms. approx.
Temperature Data	Operating ambient: -40°C to +74°C Storing Ambient: -40°C to +130°C
Expected Life	Electrical: 200,000 operations min. @ rated load Mechanical: 5,000,000 operations min. @ no load
Dielectric Strength	Across Open Contacts: 1200 VRMS Contacts to Coil: 2200 VRMS Contacts to Frame: 2200 VRMS Pole to Pole: 2200 VRMS
Mechanical Data	
Operating Position	Any
Mounting	Cinch -Jones 2408 8 pin socket or equivalent
Terminals	0.250" x 0.055" (6.35 mm x 1.40 mm)
Insulation Material	Thermoplastic 94V-2 rating

Rynite® is a registered trademark of DuPont

All dimensions in Inches

Specifications subject to change without notice

295 Series



Cover Material	Clear Polycarbonate 94V-2 Rating
Cover Protection Category	40 IP rating
Expected Life	Electrical at Rated Load (Min.) 100,000 Operations Mechanical Life 10,000,000 Operations
Dielectric Strength	1200 VRMS, 60 Hz Between Contacts 2200 VRMS, 60 Hz Between Other Elements
Agency Approvals	UL Recognized File No. E37066

Ordering Information

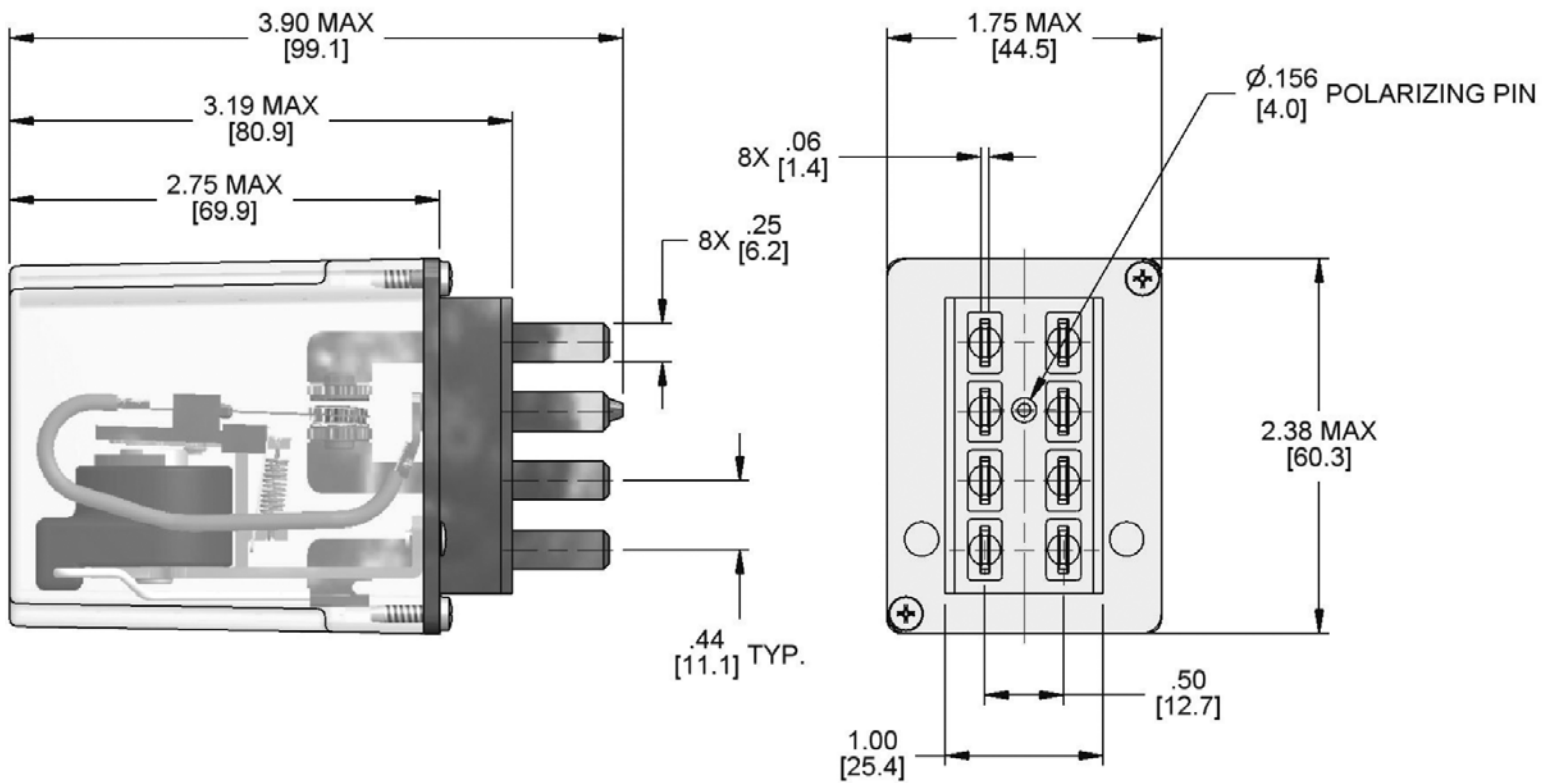
20 Amp Part Numbers

AC Coils				
Model	Pole Config.	24 VAC	120 VAC	240 VAC
295	DPDT		21084-83 *	21084-84

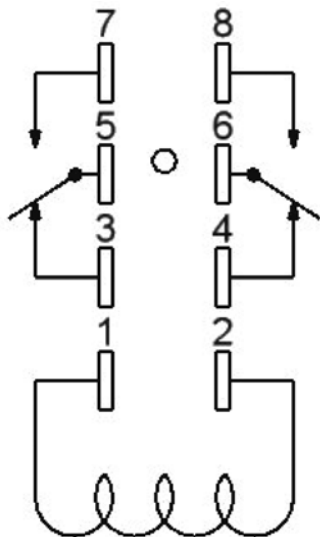
295 Series

Dimensional View

Units: Inches [mm]



Schematic



(Viewed from pin end)