

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

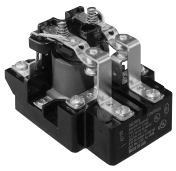
Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*



900 Long Base



900 Short Base

DELTROL controls | DC DIVISION OF DELTROL CORP.

900 SERIES RELAY 30 AND 50 AMP HEAVY DUTY POWER RELAY

FEATURES

- Class F Coil Insulation System for 155°C Total Temperature
- Coil Molded in DuPont Rynite® for Environmental Protection
- Rugged Construction Rivets Terminals to Base
- 900, 900D and 900E are UL and cUL Listed
- 900-1C, 900Q and 900R are UL and cUR Recognized

CONTACT DATA

CONFIGURATION:
Thru DPDT

MATERIALS:
All Versions
5/16" Diameter Silver Cadmium Oxide
Fine Silver Available on Special Order – Min. Qty. Req'd.

CONTACT RATINGS

MODEL	POLE CONFIGURATION	UL RATINGS
900 900Q	SPST-NC short base SPST-NO short base SPST-NO-DM short base SPST-NC-DB long base SPDT short base DPST-NO short base DPST-NC long base DPST-NC short base DPDT long base	30 amp or 1-1/2 HP at 120 or 240VAC 2 HP at 240VAC 3600W at 120 or 240VAC (ballast) 30 amp at 240VAC, 100,000 cycle (resistive) 20 amp at 600VAC 30 amp at 28VDC
900-1C		Same as 900 with addition of auxiliary 1/4 HP at 125 or 250VAC
900D		Same as 900 with additional rating of 20 amp at 125VDC
900E 900R		50 amp at 277VAC resistive 100,000 cycles, 40 amp general use (Inductive)

UL RECOGNIZED FILE NO.: E37066
900, 900D & E are UL and cUL listed. Other versions are UR and cUR recognized.
(US and Canadian Recognition)

EXPECTED LIFE

Electrical At Rated Load (Minimum)
100,000 Operations

Mechanical Life
1,000,000 Operations

DIELECTRIC STRENGTH

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

MODELS

900: Fast Acting 30 Amp Power Relays
900-1C: Same as 900 with Addition of SPDT Auxiliary Snap Switch Rated 10 Amp, 1/4 HP
900Q: Same as 900 with .250" Quick-Connect Termination
900D: Same as 900 with Addition of Blow Out Magnets for Switching DC Loads
900E: Same as 900 with 50 Amp Rating and Box Lug Termination
900R: Same as 900 with 50 Amp Rating and Standard Screw Terminals

COIL DATA

	NOMINAL VOLTAGE	RESISTANCE IN OHMS ± 10%	NOMINAL COIL POWER
AC Coils	6VAC 12VAC 24VAC 120VAC 240VAC 480VAC	.85 2.85 11.5 295 1170 4860	9.5VA
DC Coils	6VDC 12VDC 24VDC 48VDC 110VDC	18 72 290 1,150 6,050	2W

Coil Voltages: AC: Up to 600 Volts/60 Hz
DC: 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. 30 Milliseconds

Release Time: Approx. 30 Milliseconds

ENVIRONMENTAL DATA

Operating Ambient: AC: -45° to 80°C @ 30 amps
AC: -45° to 70°C @ 50 amps
DC: -45° to 115°C @ 30 amps
DC: -45° to 105°C @ 50 amps

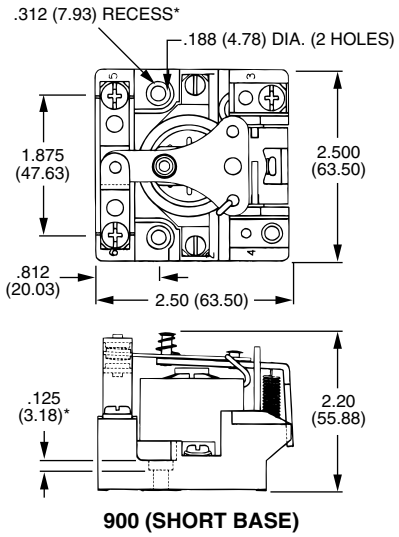
Coil Temperature Rise: (25°C Ambient – Continuous Duty)
AC: 70°C Approx. @ 60 Hz – Use at 50 Hz will Cause Slight Increase in Coil Rise
DC: 35°C Approx.

MECHANICAL DATA

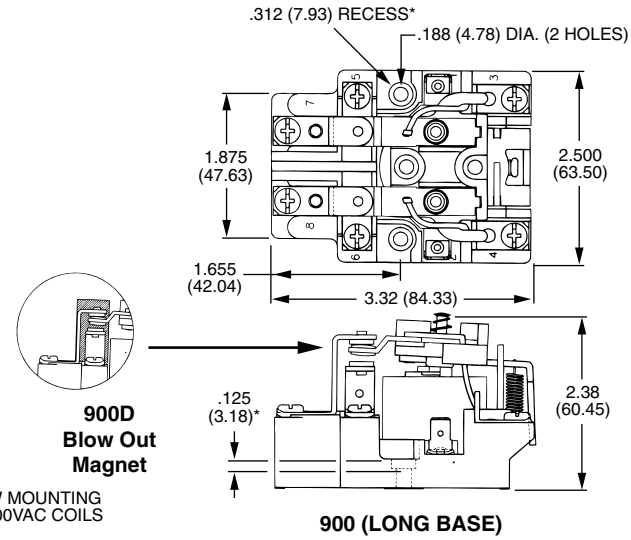
Terminals: Screw Type on all but SERIES 900Q which has Quick Connect, .250"

Weight: Short Base Versions 8 oz. Approx. (227 g)
Long Base Versions 10 oz. Approx. (283 g)

DIMENSIONS [Unit Inch (mm)]



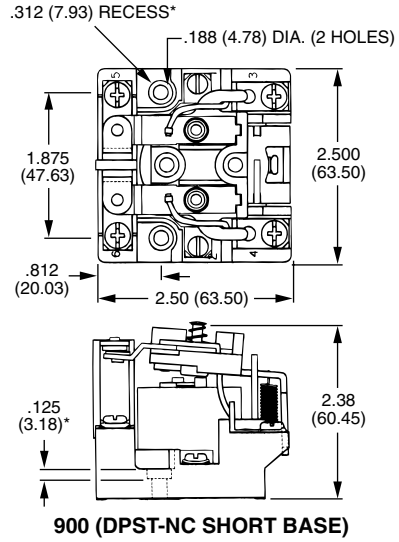
900 (SHORT BASE)



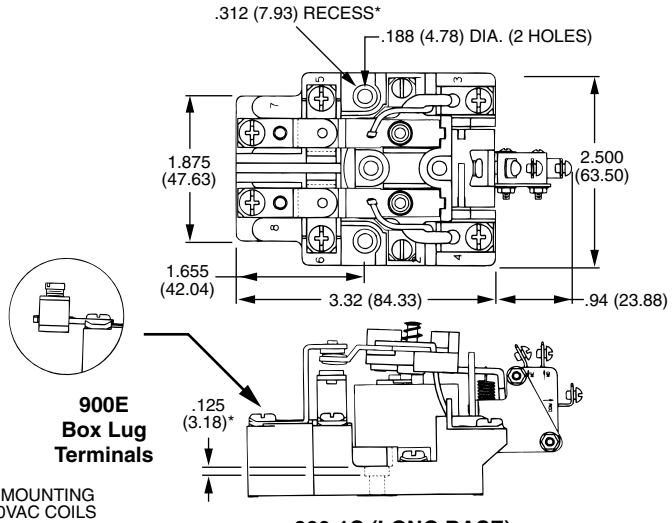
900D Blow Out Magnet

*RECESS FOR SCREW MOUNTING ON UNITS WITH 300-600VAC COILS

900 (LONG BASE)



900 (DPST-NC SHORT BASE)



900E Box Lug Terminals

*RECESS FOR SCREW MOUNTING ON UNITS WITH 300-600VAC COILS

900-1C (LONG BASE)

ORDERING INFORMATION

MODEL 900 30 AMP Part Numbers

	AC Coils			DC Coils		
Pole Configuration	**24VAC**	**120VAC**	**240VAC**	**12VDC**	**24VDC**	**110VDC**
SPST-NO	20237-82*	20237-83*	20237-84	20333-81	20333-82	20333-84
SPST-NC	20330-82	20330-83	20330-84	20334-81	20334-82	20334-84
SPST-NO-DM	20238-82*	20238-83*	20238-84	20242-81	20242-82	20242-84
SPST-NC-DB	20332-82	20332-83	20332-84	20336-81	20336-82	20336-84
SPDT	20239-82*	20239-83*	20239-84	20243-81*	20243-82*	20243-84
DPST-NO	20240-82*	20240-83*	20240-84*	20244-81*	20244-82*	20244-84
DPST-NC	20331-82	20331-83	20331-84	20335-81	20335-82	20335-84
DPDT	20241-82*	20241-83*	20241-84*	20245-81*	20245-82*	20245-84*

MODEL 900-1C 30 AMP Part Numbers

DPST-NC	20361-82	20361-83	20361-84	20367-81	20367-82	20367-84
DPST-NO	20248-82	20248-83	20248-84	20249-81	20249-82*	20249-84
DPDT	20246-82	20246-83*	20246-84	20247-81	20247-82	20247-84

*** Black Items Are Normally Stocked.**

Blue Items Are Non Stock. Minimum Quantity May Be Required.



OPTIONAL DUST COVER
B-5 DUST COVER FOR SERIES 900

Sealed knock-out holes for standard conduit fittings. Relay mounts on pre-drilled base. Constructed of Aluminum. Snap action cover release.

SIZE: 5" W x 3" H x 4" D. P/N 20257-80*

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP