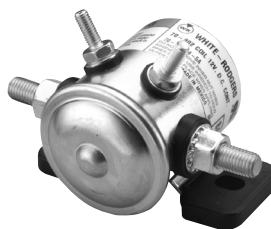


RELAYS AND CONTACTORS

D.C. Power Contactors – Type 70

Type 70
SPNO



Sec.	STANCOR PART NUMBER	Duty Cycle	Terminal Type*	Pole Form	Bracket Style	Coil Volt. D.C.	Coil Resistance (Ohms) @ 25°C	Contact Material	Contact Rating-(Amps.) Inductive Load				DIMENSIONS INCHES			Weight (oz.)	Agency* Certif.	
									Volt. D.C.	Normally Open Continuous	Normally Open Inrush**	Normally Closed Continuous	Normally Closed Inrush	L	Case W			H
A	70-901	Continuous	4	SPNO	Standard	6	4	Copper	6	80	300	-	-	2.47	3.48	2.40	12.5	UL
	70-914	Continuous	3A	SPNO	Standard	12	16	Copper	12	80	150	-	-	2.47	3.48	2.40	12.5	UL
B	70-918	Continuous	3B	SPNO	Standard	12	16	Copper	12	80	150	-	-	2.47	3.48	2.40	12.5	UL
	70-902	Continuous	4	SPNO	Standard	12	16	Copper	12	80	150	-	-	2.47	3.48	2.40	12.5	UL
	70-906	Continuous	4	SPNO	Standard	12	16	Silver	12	80	150	-	-	2.47	3.48	2.40	12.5	UL
	70-915	Continuous	3A	SPNO	Standard	24	60	Copper	24	50	50	-	-	2.47	3.48	2.40	12.5	UL
C	70-903	Continuous	4	SPNO	Standard	24	60	Copper	24	50	50	-	-	2.47	3.48	2.40	12.5	UL
	70-907	Continuous	4	SPNO	Standard	24	60	Silver	24	50	50	-	-	2.47	3.48	2.40	12.5	UL
	70-904	Continuous	4	SPNO	Standard	36	114	Copper	36	50	50	-	-	2.47	3.48	2.40	12.5	UL
	70-908	Continuous	4	SPNO	Standard	36	114	Silver	36	50	50	-	-	2.47	3.48	2.40	12.5	UL

* Terminal Type: "3A" = Grounding coil wire supplied
"3B" = Coil Common to Load
"4" = Isolated Coil

For outline drawings refer to pages 50-51.

** Inrush Current: Current applied within the first 1/2 second of contact closure

* Agency Certification Note: U.L. 583 Recognized (File AU2138)

Engineering Design Data

D.C. Type	Coil Rating	Operation in % of Nom. Coil Voltage Rating		Breakdown Voltages All Terminals - 60 Hz RMS			Contact Material	Electrical Life		Mechanical Life		Max. Oper. Temp. °F
	Nominal Magnetic Coil Rating (Watts)	Max. Safe Operate	Opposite Polarity	Open Contacts Same Polarity	To Ground	Power	Oper. At Rated Load	Oper. Per Min.	Oper. At No Load	Oper. Per Min		
		Pick-up										
70	9	75%	110%	500	500	500	Copper Silver Alloy	100,000 200,000	4 4	250,000 250,000	4 4	122 -

Temperature Range

— -40°F to 122°F

Terminations

— Contacts: 5/16"-24 UNF-2A thread
— Coil: #10-32 UNF-2A thread

Recommended Mounting

— Plunger vertical with cap down

Hardware Torque Specification

— Contact Terminal: 45-55 inch-lbs.
— Coil Terminal: 12-18 inch-lbs.
— Insulated Mounting Brackets
— **Caution: A back-up wrench must be used to hold the bottom nut stationary.**

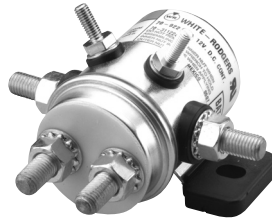
Type 70 Custom Design Capabilities

— Coil Voltage 6 VDC through 36 VDC
— Curved mounting bracket
— Please complete application data form on page 95 of this section.

Note: Caution must be used in coil selection for use in 12 volt systems where battery charging may expose coil to continuous, higher-than-rated voltage.
Stancor will not be responsible for consequences of misapplied solenoids.

RELAYS AND CONTACTORS

D.C. Power Contactors – Type 70



Type 70
SPDT



Sec.	STANCOR PART NUMBER	Duty Cycle	Terminal Type*	Pole Form	Bracket Style	Coil Volt. D.C.	Coil Resistance (Ohms) @ 25° C	Contact Material	Contact Rating-(Amps.) Inductive Load					DIMENSIONS INCHES			Weight (oz.)	Agency® Certif.
									Volt. D.C.	Normally Open Continuous	Inrush**	Normally Closed Continuous	Inrush**	L	Case W	H		
A	70-922	Continuous	6	SPDT	Standard	12	16	N.O. Copper N.C. Silver	12	80	300	60	60	3.31	3.48	2.40	14.0	
	70-910	Continuous	6	SPDT	Standard	12	16	N.O. and N.C. Silver	12	80	150	60	60	3.31	3.48	2.40	14.0	
B	70-923	Continuous	6	SPDT	Standard	24	60	N.O. Copper N.C. Silver	24	50	50	30	30	3.31	3.48	2.40	14.0	
	70-911	Continuous	6	SPDT	Standard	24	60	N.O. and N.C. Silver	24	50	50	30	30	3.31	3.48	2.40	14.0	
	70-912	Continuous	6	SPDT	Standard	36	114	N.O. and N.C. Silver	36	50	50	30	30	3.31	3.48	2.40	14.0	

* Terminal Type: "6" = Isolated Coil

** Inrush Current: Current applied within the first 1/2 second of contact closure

★ Based on 50K Cycles

* Agency Certification Note: U.L. 583 Recognized (File AU2138)

For outline drawings refer to page 51.

Engineering Design Data

D.C. Type	Coil Rating	Operation in % of Nom. Coil Voltage Rating		Breakdown Voltages All Terminals - 60 Hz RMS			Contact Material		Electrical Life		Mechanical Life		Max. Oper. Temp. °F
	Nominal Magnetic Coil Rating (Watts)		Max. Safe Operate		Open Contacts Same Polarity	To Ground				Oper. Per Min.		Oper. Per Min.	
	Pick-up			Opposite Polarity			Power	Pilot	Oper. At Rated Load		Oper. At No Load		
70	9	75%	110%	500	500	500	Copper	-	100,000	4	250,000	4	122
							Silver	-	200,000	4	250,000	4	-

Temperature Range

— -40°F to 122°F

Terminations

— Contacts: 5/16"-24 UNF-2A thread
— Coil: #10-32 UNF-2A thread

Recommended Mounting

— Plunger vertical with cap down

Hardware Torque Specification

— Contact Terminal: 45-55 inch-lbs.
— Coil Terminal: 12-18 inch-lbs.
— **Caution: A back-up wrench must be used to hold the bottom nut stationary.**

Type 70 Custom Design Capabilities

— Coil Voltage 6 VDC through 36 VDC
— Curved mounting bracket
— Please complete application data form on page 95 of this section.

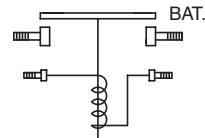
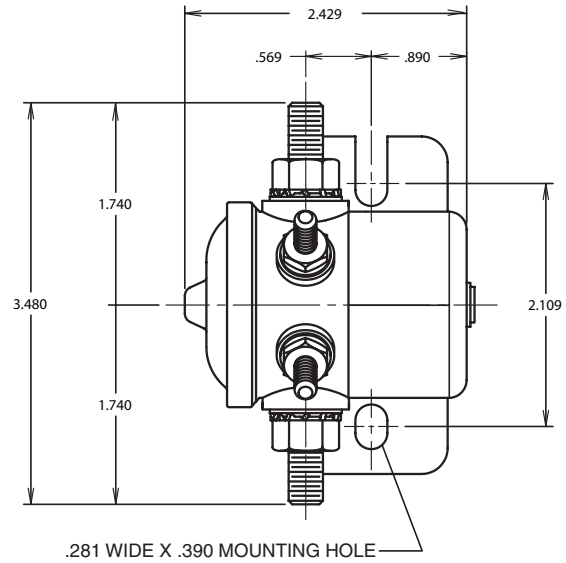
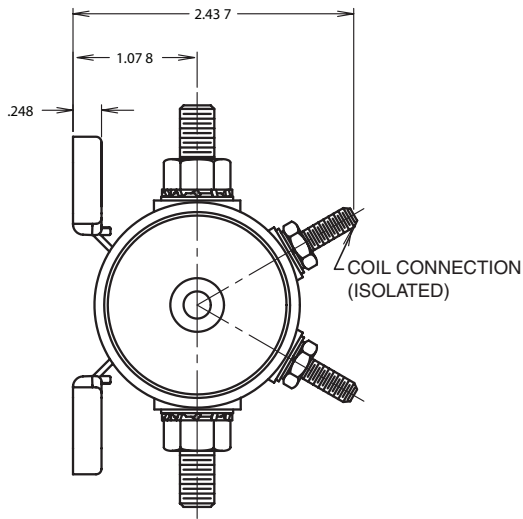
Note: Caution must be used in coil selection for use in 12 volt systems where battery charging may expose coil to continuous, higher-than-rated voltage.

Stancor will not be responsible for consequences of misapplied solenoids.

RELAYS AND CONTACTORS

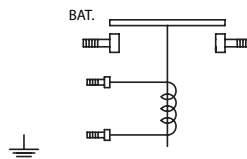
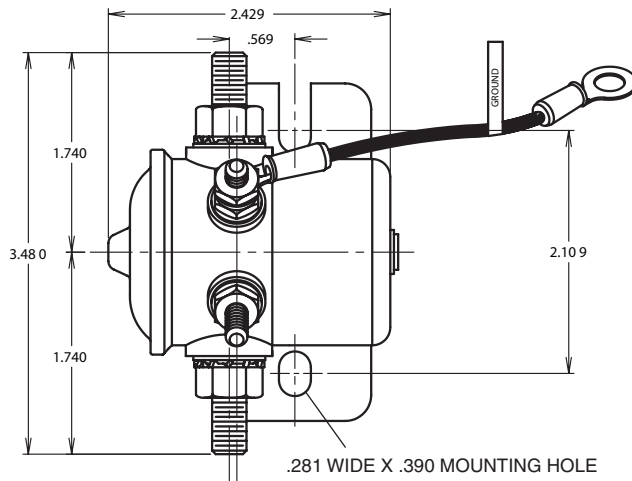
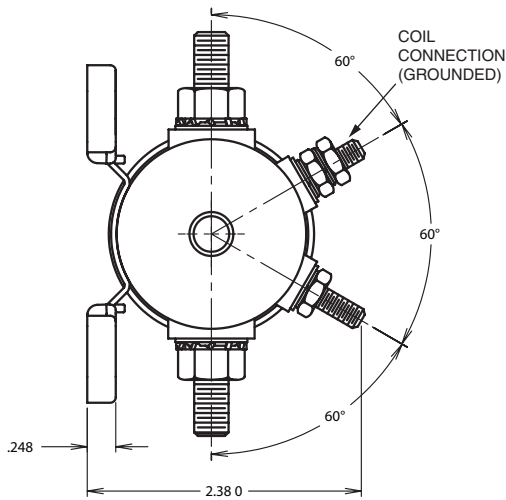
Type 70

Terminal Type 4 – Isolated Coil



CIRCUIT DIAGRAM

Terminal Type 3A – Coil Terminal to Ground



CIRCUIT DIAGRAM

