D.C. Power Contactors – Type 70

Type 70
SPNO

RoHS

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: Volt. D.C.	Normally Open: Continuous	Normally Open: Inrush**	Normally Closed: Continuous	Normally Closed: Inrush	DIMENSIONS INCHES: L	Case W	H	Weight (oz.)	Agency* Certif.
A	70-901	Continuous	4	SPNO	Standard	6	4	Copper	6	80	300	-	-	2.47	3.48	2.40	12.5	
	70-914	Continuous	3A	SPNO	Standard	12	16	Copper	12	80	150	-	-	2.47	3.48	2.40	12.5	
B	70-918	Continuous	3B	SPNO	Standard	12	16	Copper	12	80	150	-	-	2.47	3.48	2.40	12.5	
	70-902	Continuous	4	SPNO	Standard	12	16	Copper	12	80	150	-	-	2.47	3.48	2.40	12.5	
	70-906	Continuous	4	SPNO	Standard	12	16	Silver	12	80	150	-	-	2.47	3.48	2.40	12.5	
	70-915	Continuous	3A	SPNO	Standard	24	60	Copper	24	50	50	-	-	2.47	3.48	2.40	12.5	
C	70-903	Continuous	4	SPNO	Standard	24	60	Copper	24	50	50	-	-	2.47	3.48	2.40	12.5	
	70-907	Continuous	4	SPNO	Standard	24	60	Silver	24	50	50	-	-	2.47	3.48	2.40	12.5	
	70-904	Continuous	4	SPNO	Standard	36	114	Copper	36	50	50	-	-	2.47	3.48	2.40	12.5	
	70-908	Continuous	4	SPNO	Standard	36	114	Silver	36	50	50	-	-	2.47	3.48	2.40	12.5	

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

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

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

For outline drawings refer to pages 50-51.

Engineering Design Data

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

Type 70
SPDT

RoHS

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	70-922	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

For outline drawings refer to page 51.

** 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)

Engineering Design Data

D.C. Type	Coil Rating Nominal Magnetic Coil Rating (Watts)	Operation in % of Nom. Coil Voltage Rating Pick-up	Max. Safe Operate	Breakdown Voltages All Terminals - 60 Hz RMS Opposite Polarity	Open Contacts Same Polarity	To Ground	Contact Material Power	Pilot	Electrical Life Oper. At Rated Load	Oper. Per Min.	Mechanical Life Oper. At No Load	Oper. Per Min	Max. Oper. Temp. °F
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

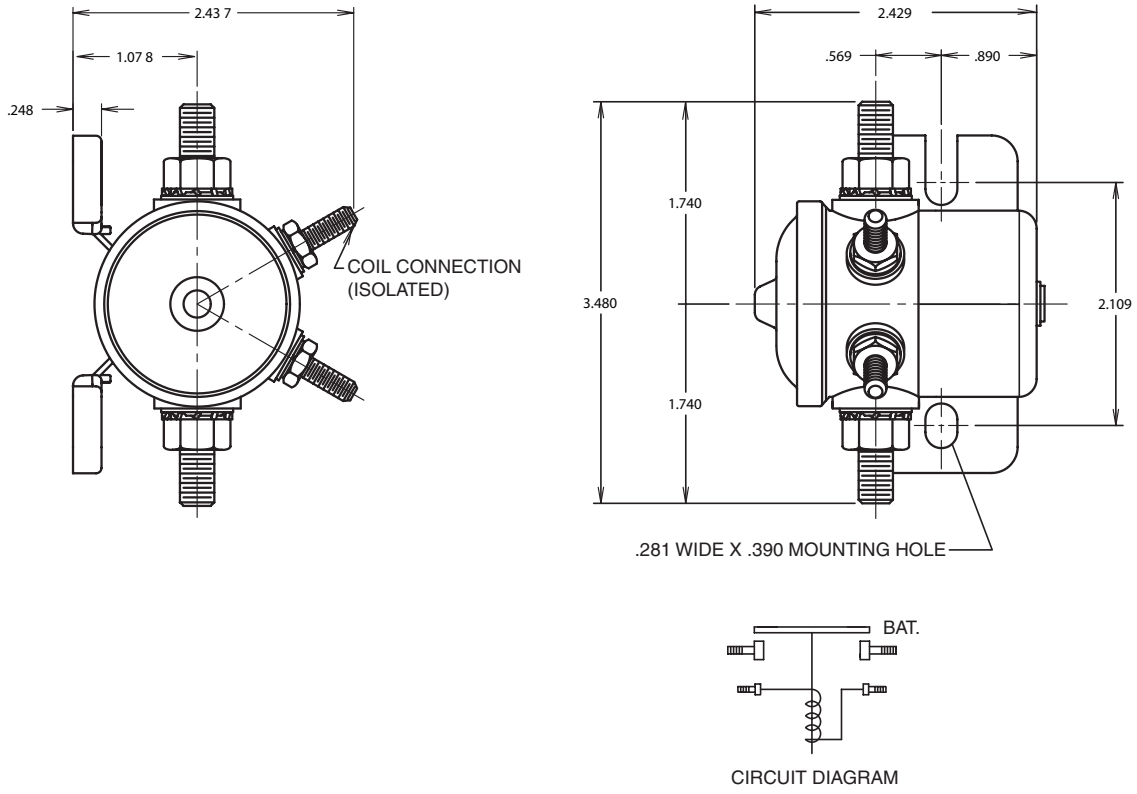
— Please complete application data form on page 95 of this section.

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.

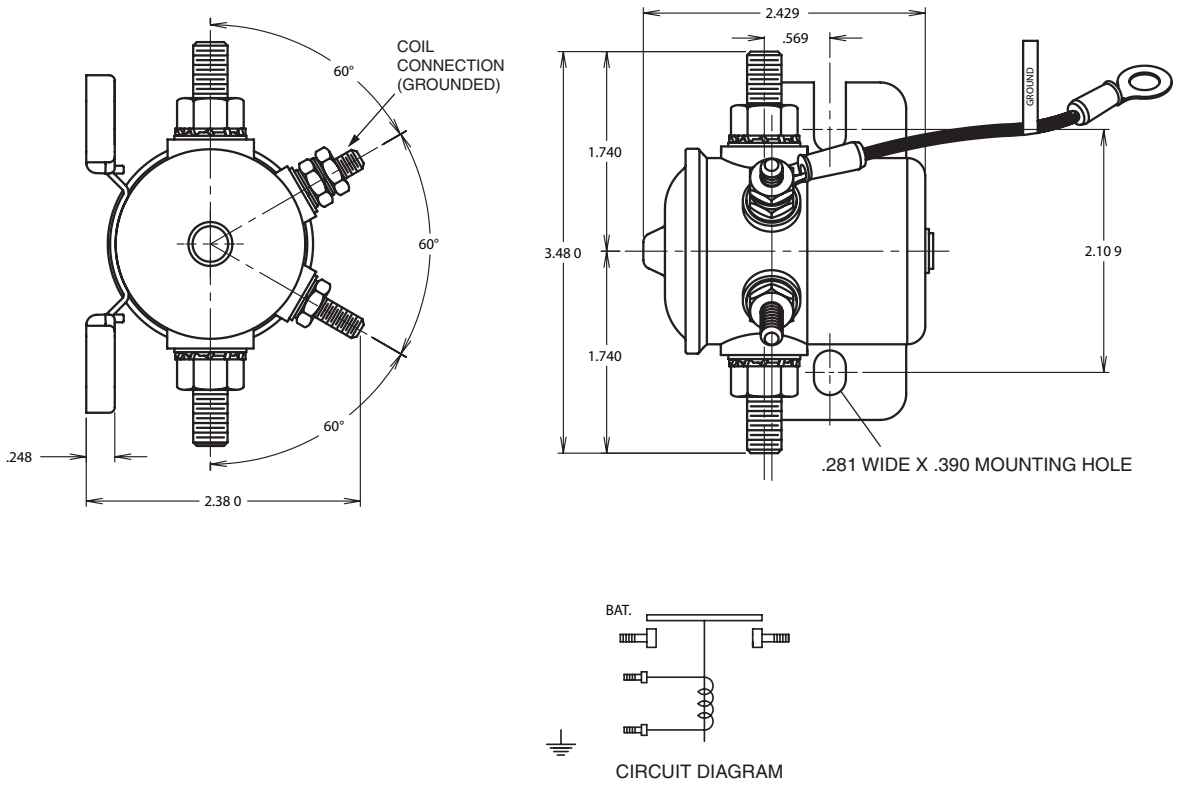
Stancor will not be responsible for consequences of misapplied solenoids.

Type 70

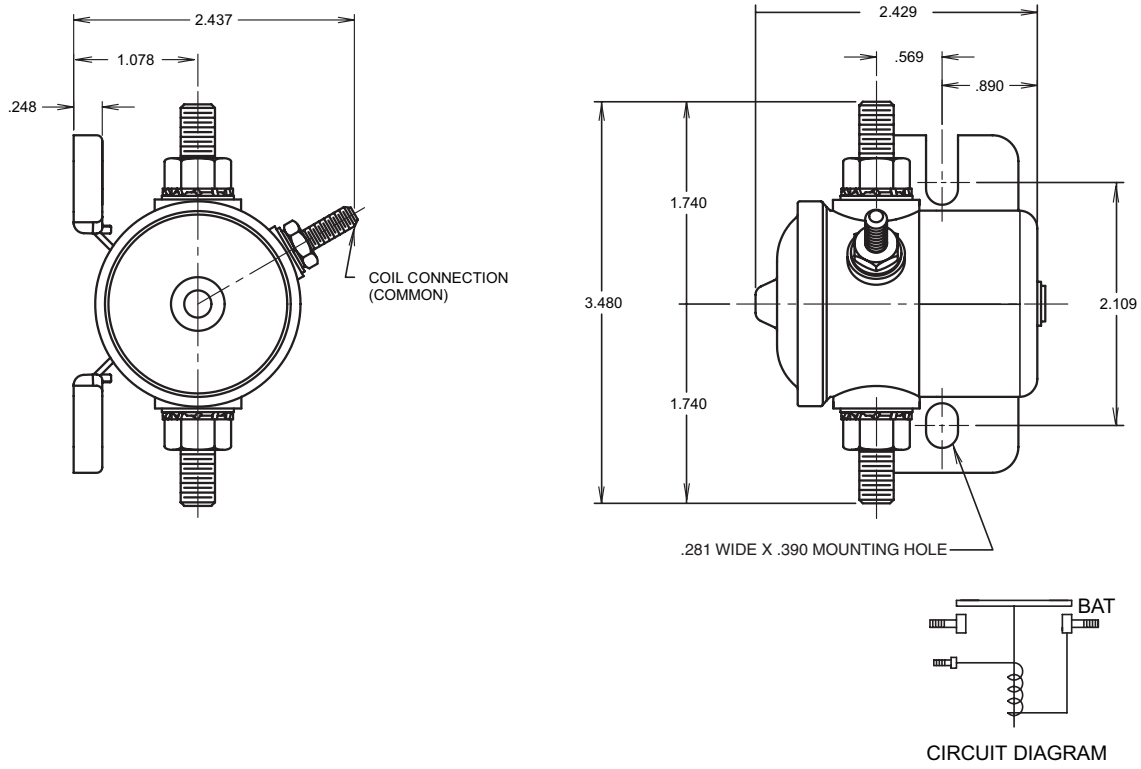
Terminal Type 4 – Isolated Coil



Terminal Type 3A – Coil Terminal to Ground



Terminal Type 3B – Coil Common to Load



Terminal Type 6 – Isolated Coil