

Архангельск (8182)63-90-72 Астана (7172)727-132 Астрахань (8512)99-46-04 Барнаул (3852)73-04-60 Белгород (4722)40-23-64 Брянск (4832)59-03-52 Владивосток (423)249-28-31 Волгоград (844)278-03-48 Вологда (8172)26-41-59 Воронеж (473)204-51-73 Екатеринбург (343)384-55-89 Иваново (4932)77-34-06 Ижевск (3412)26-03-58 Казань (843)206-01-48 Калининград (4012)72-03-81 Калуга (4842)92-23-67 Кемерово (3842)65-04-62 Киров (8332)68-02-04 Краснодар (861)203-40-90 Красноярск (391)204-63-61 Курск (4712)77-13-04 Липецк (4742)52-20-81 Магнитогорск (3519)55-03-13 Москва (495)268-04-70 Мурманск (8152)59-64-93 Набережные Челны (8552)20-53-41 Нижний Новгород (831)429-08-12 Новокузнецк (3843)20-46-81 Новосибирск (383)227-86-73 Омск (3812)21-46-40 Орел (4862)44-53-42 Оренбург (3532)37-68-04 Пенза (8412)22-31-16 Пермь (342)205-81-47 Ростов-на-Дону (863)308-18-15 Рязань (4912)46-61-64 Самара (846)206-03-16 Санкт-Петербург (812)309-46-40 Саратов (845)249-38-78 Севастополь (8692)22-31-93 Симферополь (3652)67-13-56 Смоленск (4812)29-41-54 Сочи (862)225-72-31 Ставрополь (8652)20-65-13 Сургут (3462)77-98-35 Тверь (4822)63-31-35 Томск (3822)98-41-53 Тула (4872)74-02-29 Тюмень (3452)66-21-18 Ульяновск (8422)24-23-59 Уфа (347)229-48-12 Хабаровск (4212)92-98-04 Челябинск (351)202-03-61 Череповец (8202)49-02-64 Ярославль (4852)69-52-93

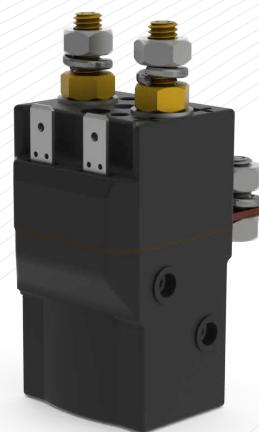
Единый адрес: ath@nt-rt.ru | <http://albright.nt-rt.ru>

Application	Interrupted	Uninterrupted
Thermal Current Rating (I_{th})		80A
Intermittent Current Rating:		
30% Duty		145A
40% Duty		125A
50% Duty		115A
60% Duty		105A
70% Duty		95A
Rated Fault Current Breaking Capacity (I_{cn}) 5ms Time Constant: (in accordance with UL583*)		
SW61		400A at 48V D.C.
SW61B		400A at 96V D.C.
Rated Fault Current Breaking Capacity (I_{cn}) Resistive Load: (in accordance with UL583*)		
SW61		120A at 60V D.C.
SW61B		120A at 96V D.C.
Maximum Recommended Contact Voltages (U_{0}):		
SW61	48V D.C.	60V D.C.
SW61B	96V D.C.	120V D.C.
Typical Voltage Drop per pole across New Contacts at 80A		<40mV
Mechanical M.T.B.F		>3 x 10 ⁶
Coil Voltage Available (U_s) (Rectifier board required for A.C.)		From 6 to 130V D.C.
Coil Power Dissipation:		
Highly Intermittent Rated Types		14 - 21 Watts
Intermittently Rated types		10 - 14 Watts
Prolonged Rated Types		7 - 10 Watts
Continuously Rated Types		5 - 7 Watts
Maximum Pull-In Voltage (Coil at 20° C) Guideline:		
Highly Intermittent Rated types (Max 25% Duty Cycle)		60% U_s
Intermittently Rated types (Max 70% Duty Cycle)		60% U_s
Prolonged Operation (Max 90% Duty Cycle)		60% U_s
Continuously Rated Types (100% Duty Cycle)		66% U_s
Drop-Out Voltage Range		10 - 25% U_s
Typical Pull-In Time		15ms
Typical Drop-Out Time (N/O Contacts to Open):		
Without Suppression		6ms
With Diode Suppression		35ms
With Diode and Resistor (Subject to resistance value)		8 - 20ms
Typical Main Contactor Changeover time:		
Normally Closed to Normally Open		6ms
Normally Open to Normally Closed		4ms
Typical Contact Bounce Period		3ms
Operating Ambient Temperature		-40°C to +60°C
Guideline Contactor Weight:		
SW61		230 gms
With Auxiliary		+ 20 gms
With Blowouts		+ 8 gms
Auxiliary Details		
Auxiliary Thermal Current Rating		5A
Auxiliary Contact Switching Capabilities (Resistive Load):		
		5A at 24V D.C.
		1A at 60V D.C.
		0.5A at 120V D.C.
		0.25A at 240V D.C.
Advised Connection Sizes for Maximum Continuous Current		
Copper busbar		52mm ² [0.08inch ²]
Cable		Rated suitable for Application
Key: ■ = Interrupted ■ = Uninterrupted		
Note: Where applicable values shown are at 20° C		
* Please check our web site for product UL status		

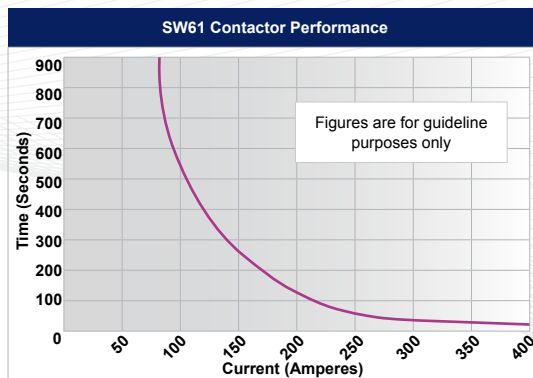
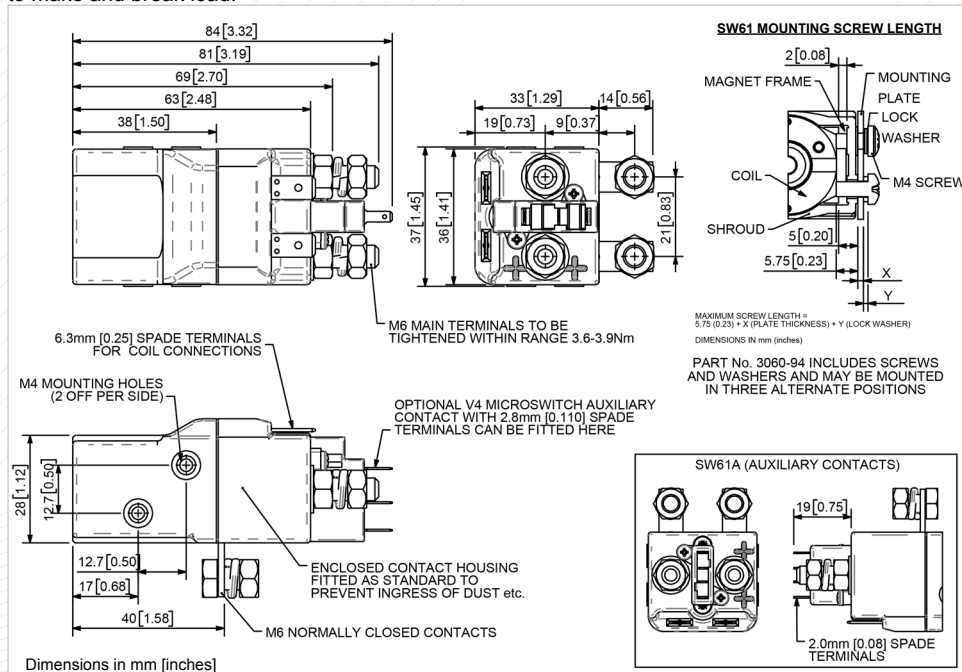
The SW61 is a miniature series single pole, free standing, compact contactor. It is designed to fill the gap between 30 ampere relays and 100 ampere contactors. Devised for both interrupted and uninterrupted loads, the SW61 is suitable for switching Resistive, Capacitive and Inductive loads. Typical applications include switching small traction motors, hydraulic power packs and small electric winch motors.

- Interrupted current - opening and closing on load with frequent switching (results in increased contact resistance).
- Uninterrupted current - no or infrequent load switching requirements (maintains a lower contact resistance).

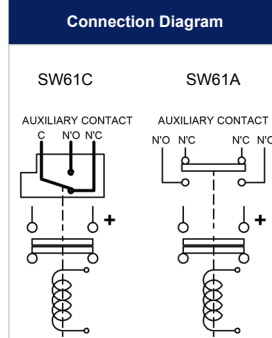
The SW61 features single pole, double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SW61 has M6 stud main terminals and 6.3mm spade coil connections. It can be mounted via M4 tapped holes or mounting brackets, either supplied fitted, or as separate items. Mounting can be on the side or base of the contactor. Please note Normally Closed contacts are not suited to make and break load.



SW61



Contact Performance Key:
— Interrupted and Uninterrupted Current



SW61 Available Options		
General		Suffix
Auxiliary Contacts	<input type="radio"/>	A
Auxiliary Contacts - V4	<input type="radio"/>	C
Magnetic Blowouts [†]	<input type="radio"/>	B
Magnetic Blowouts - High Powered [†]	<input checked="" type="checkbox"/>	
Armature Cap	<input checked="" type="checkbox"/>	
Mounting Brackets (See Stud Contactor Series Catalogue)	<input type="radio"/>	
Magnetic Latching [†] (Not fail safe)	<input type="radio"/>	M
Closed Contact Housing [‡]	<input checked="" type="checkbox"/>	
Environmentally Protected IP66	<input checked="" type="checkbox"/>	
EE Type (Steel Shroud)	<input checked="" type="checkbox"/>	
Contacts		
Large Tips	<input checked="" type="checkbox"/>	
Textured Tips	<input checked="" type="checkbox"/>	
Silver Plating	<input checked="" type="checkbox"/>	
Coil		
AC Rectifier Board (Fitted)	<input checked="" type="checkbox"/>	
Coil Suppression [†]	<input type="radio"/>	
Flying Leads	<input checked="" type="checkbox"/>	
Manual Override Operation	<input checked="" type="checkbox"/>	
M4 Stud Terminals	<input type="radio"/>	
M5 Terminal Board	<input checked="" type="checkbox"/>	
Vacuum Impregnation	<input checked="" type="checkbox"/>	
Key: <input type="radio"/> Optional <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Not Available X		
[†] Connections become polarity sensitive		
[‡] Enclosed top cover standard when blowouts not fitted		