

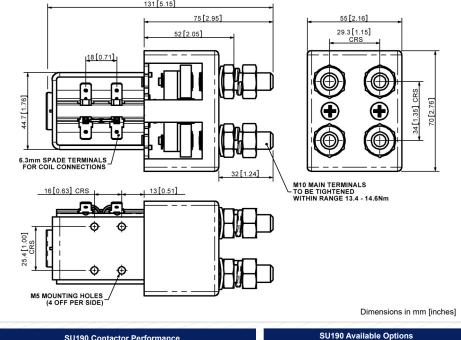
The SU190 is an up-rated variant of the SW190 Series of contactor primarily designed to switch heavy duty D.C. loads, however it is also capable of switching A.C. loads. The SU190 is suitable for switching Resistive, Capacitive and Inductive loads. Typical applications include electric motors, hydraulic power packs, winches, speed controllers and Power Distribution Systems.

Application	Interrupted	Uninterrupted	
Thermal Current Rating ([/] th)	250A	350A	
Intermittent Current Rating:			
30% Duty	450A	635A	
40% Duty	390A	550A	
50% Duty	360A	495A	
60% Duty	320A	450A	
70% Duty	300A	415A	
Rated Fault Current Breaking ((in accordance with UL583*)	Capacity ([/] cn) 5ms Ti	me Constant:	
SU190	1500A a	1500A at 48V D.C.	
SU190B	1500A a	1500A at 96V D.C.	
Rated Fault Current Breaking C (in accordance with UL508*)	capacity (^I cn) Resistiv	re Load:	
SU190	525A at	525A at 60V D.C.	

- **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).

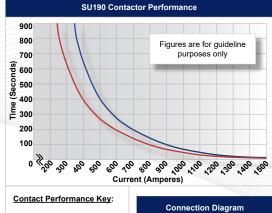
The contactors feature double pole, double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The SU190 is easy to install, with M5 tapped holes in the switch frame or a variety of optional brackets available. Electrical connections follow industry standards, with M10 main terminal studs and an option for either 6.3mm standard spade terminals or flying leads on the coil assembly. Mounting can be vertical or horizontal, when vertical the M10 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.







Performance data provided should be used as a guide only. Some from figures may be necessary according to application. Thermal current ratings stated are dependent upon the size of co



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act Performance Key: Interrupted Current	Connection Diagram	
Uninterrupted Current	<u> </u>	
e de-rating or variation onductor being used		

Auxiliary Contacts	X	
Auxiliary Contacts - V3	Χ	
Magnetic Blowouts†	Х	
Magnetic Blowouts - High Powered [†]	0	В
Armature Cap	•	
Mounting Brackets (see SW180 Series Catalogue)	0	
Magnetic Latching (Not fail safe)†	0	M
Closed Contact Housing	0	
Environmentally Protected IP66	X	
EE Type (Steel Shroud)	0	EE
Contacts		
Large Tips	Χ	
Textured Tips	0	Т
Silver Plating	Χ	
Coil		
AC Rectifier Board (Fitted)	0	
Coil Suppression [†]	0	
Flying Leads	0	F
Manual Override Operation	X	
M4 Stud Terminals	X	
M5 Terminal Board	0	
Vacuum Impregnation	0	
Key: Optional ○ Standard •	Not Availa	able X

General

Suffix