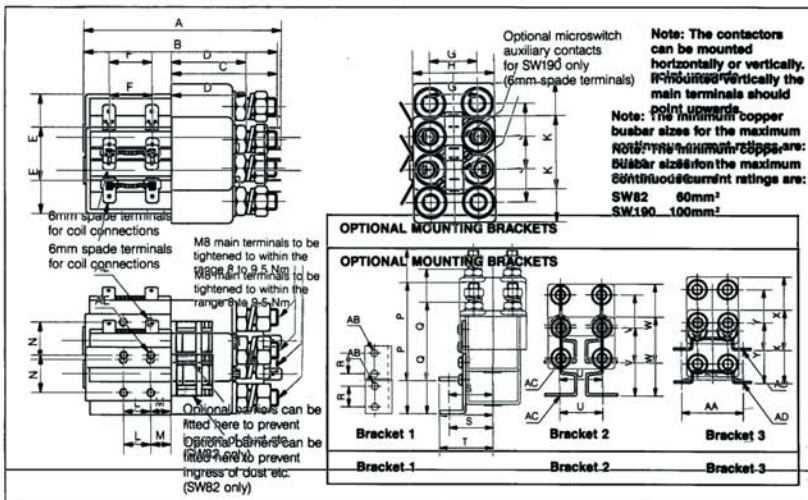




**SW82 AND SW190 DIMENSIONED DRAWINGS**



**SW80**

**OPTIONAL EXTRAS**

Type No	Auxiliary Contacts	Magnetic Blowouts	Closed Contact Housing	Contactor Weights (Grams)
SW80	O	O	O	350
SW82	N	N	O	430
SW180	O	O	O	640
SW190	O	O	N	760
SW200	O	S	O	1350
SW280	O	O	O	790

'O' denotes optional extra 'N' denotes not available 'S' denotes standard feature  
Regarding the above weights, add 20 grams for auxiliary contacts and 50 grams for magnetic blowouts



**SW180**

	SW82		SW190	
	mm	inches	mm	inches
A	-	-	127	5.00
B	91	3.58	121.5	4.78
C	49.5	1.95	65.5	2.58
D	36	1.42	50.5	1.99
E	40	1.58	45	1.77
F	18	0.71	18	0.71
G	22.2	0.87	29	1.14
H	38	1.50	49	1.93
J	30.4	1.20	34	1.34
K	50.1	1.97	74.5	2.93
L	12.7	0.50	16	0.63
M	9.5	0.37	12.7	0.50
N	17.5	0.69	25.4	1.00
P	96.7	3.81	130	5.12
Q	82.5	3.25	114.5	4.51
R	15.1	0.60	22.5	0.89
S	32	1.26	35.5	1.40
T	39	1.54	42.5	1.67
U	38 min crs	1.50 min crs	47 min crs	1.85 min crs
V	42	1.65	55	2.17
W	50	1.97	66	2.60
X	54	2.13	75	2.95
Y	44	1.73	55	2.17
AA	44.5	1.75	62	2.44
AB	Ø5.2 holes	0.21 dia holes	Ø5.5 holes	0.22 dia holes
AC	slots 6 wide	slots 0.24 wide	slots 6.5 wide	slots 0.26 wide
AD	Ø5.2 holes	0.21 dia holes	Ø6.5 holes	0.26 dia holes
AE	M4 fixing holes (4-off each side)		M5 fixing holes (4-off each side)	
Bracket 1	Part No. 2070-40 includes screws and washers		Part No. 2155-165 includes screws and washers	
Bracket 2	Integral bracket frame		Double bracket Part No. 2065-167A includes screws and washers	
Bracket 3	Part No. 2126-48A includes screws and washers		Part No. 2159-47 includes screws and washers	



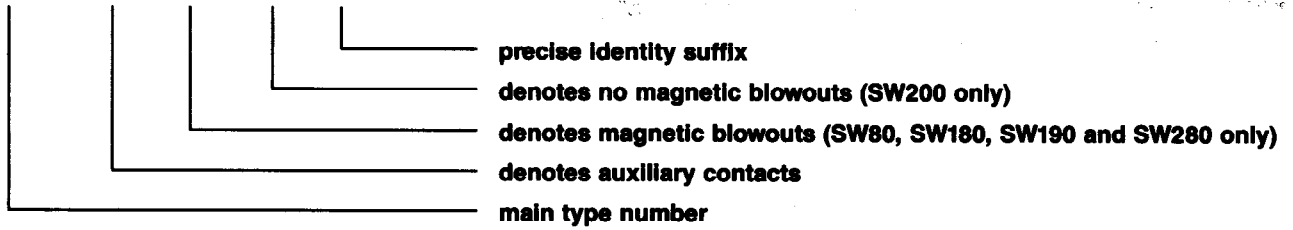
EA Bezeichnung:

Schütz  
SW 80 und SW 180  
Artikel-Nr.: 59925012 + 59925013

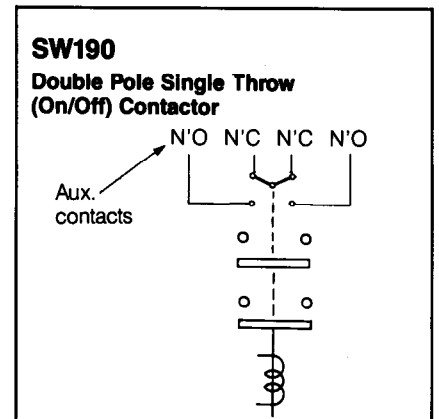
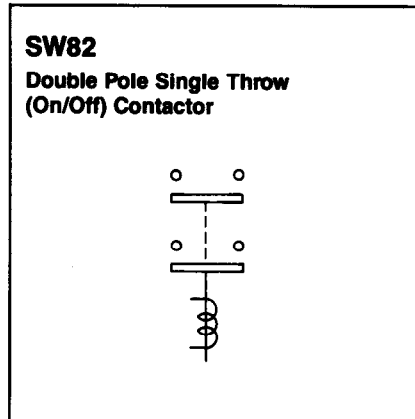
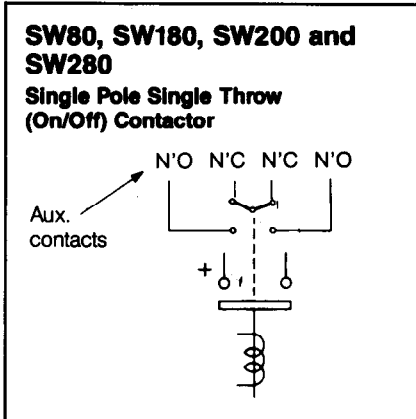
Ersteller	Genehmigt	Freigabe	Ablageort / Dateiname	Datum	Seite
P.Feiter	J.Davids		H:\dos1\grp59\xx925012\59925012_DB_02.doc	19.01.09	1 / 1

## EXPLANATION OF CONTACTOR PART NUMBERS

**SW80 - A - B - N - 57**



## CONNECTION DIAGRAMS



## PERFORMANCE DATA

Type No.	Overload currents that can be ruptured (resistive load) in accordance with UL 508		Maximum recommended contact voltages (D.C.)		Typical voltage drop across contacts per 100 amps (per pole)	Coil power dissipation (watts)
	Without blowouts	With blowouts	Without blowouts	With blowouts		
SW80	190 amps at 60v D.C.	190 amps at 96v D.C.	60	250	40mV	7 to 13
SW82	150 amps at 96v D.C.	N.A.	96	N.A.	50mV	7 to 13
SW180	300 amps at 60v D.C.	300 amps at 96v D.C.	60	250	40mV	10 to 15
SW190	200 amps at 96v D.C.	300 amps at 120v D.C.	96	250	40mV	10 to 15
SW200	600 amps at 60v D.C.	600 amps at 96v D.C.	60	250	30mV	13 to 25
SW280	525 amps at 60v D.C.	525 amps at 96v D.C.	60	250	40mV	10 to 15

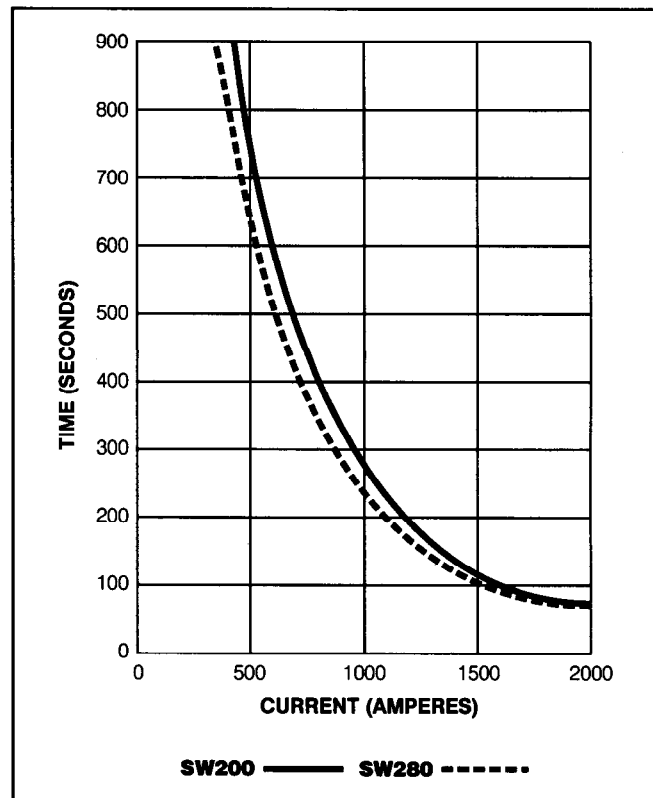
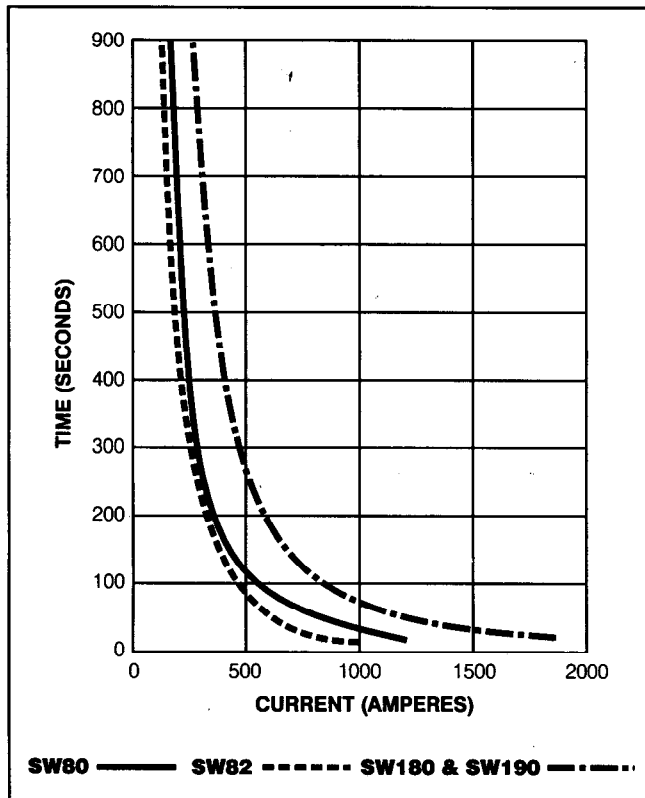
N.A. denotes not applicable

**PERFORMANCE DATA (cont)**

Type No.	Pull-in time (contacts to close)	Drop-out time (contacts to open)		
		Without suppression	With diode suppression	With diode and resistor (depending on value)
SW80	20ms	5ms	50ms	8 to 20ms
SW82	20ms	5ms	50ms	8 to 20ms
SW180	30ms	8ms	60ms	25ms
SW190	30ms	8ms	60ms	25ms
SW200	40ms	10ms	100ms	30ms
SW280	30ms	8ms	60ms	25ms

**NOTE: The thermal current ratings stated for the contactors in this brochure are dependent upon the correct size of busbar being used for the required duty. For maximum continuous ratings the busbars should not be less than the sizes shown on pages 3 and 4.**

**CONTACT PERFORMANCE (Intermittent ratings)**



ALBRIGHT INTERNATIONAL LTD  
 ALBRIGHT (Engineers) LTD  
 125 RED LION ROAD  
 SURBITON SURREY KT6 7OS  
 ENGLAND  
 TELEPHONE 44 (0) 181 390 5357  
 FACSIMILE 44 (0) 181 390 1927

