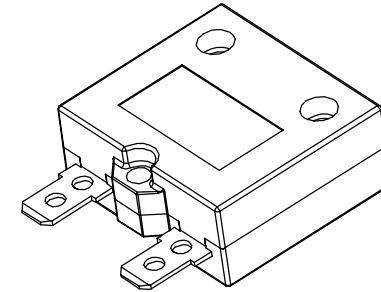


SCB98AR Series(Auto-Reset Type)

Technical Data

- 1.Rating of Current: 3A-40A
- 2.Input Power: 125/250Vac 12/24Vdc
- 3.Interrupting Capacity; 125VacX1000Amp,24VdcX200Amp
- 4.Voltage Drop; Less than 0.25V
- 5.Insulation Resistance: >100Mohms(50Vdc)
- 6.Calibration(at25°C)
 - 100% of rated current:Hold,No Trip
 - 101%-149% of rated current:Maybe Trip or Not
 - 150% of rated current:Trip in 1 HR
 - 200% of rated current:5.20-40.0sec
 - 300% of rated current:1.50-7.0sec
- 7.Reset Time:Within 60sec



UL E317794 (UL 244A, CSA C22.2 No. 14 + UL 1077, CSA C22.2 No. 235)
Complies with Rohs

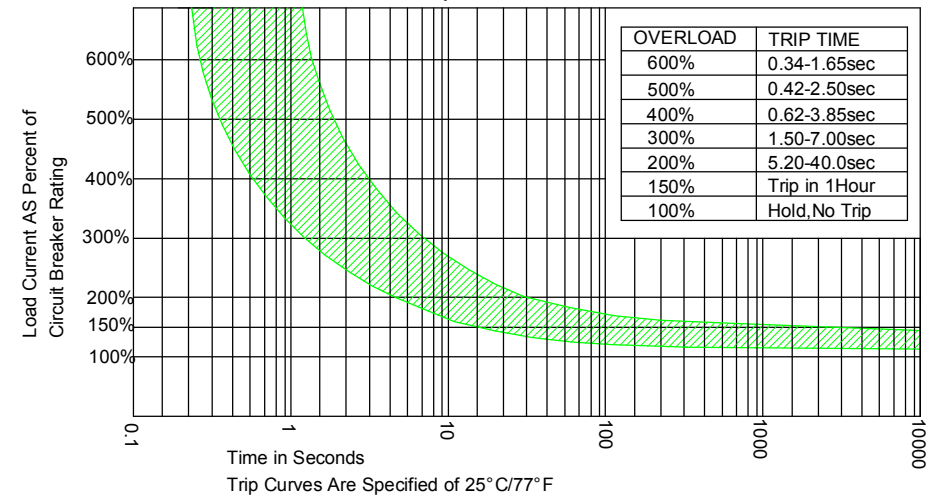
Ambient Temperature Correction Factor

The time/current characteristic curve depends on the ambient temperature prevailing,In order to eliminate nuisance tripping.

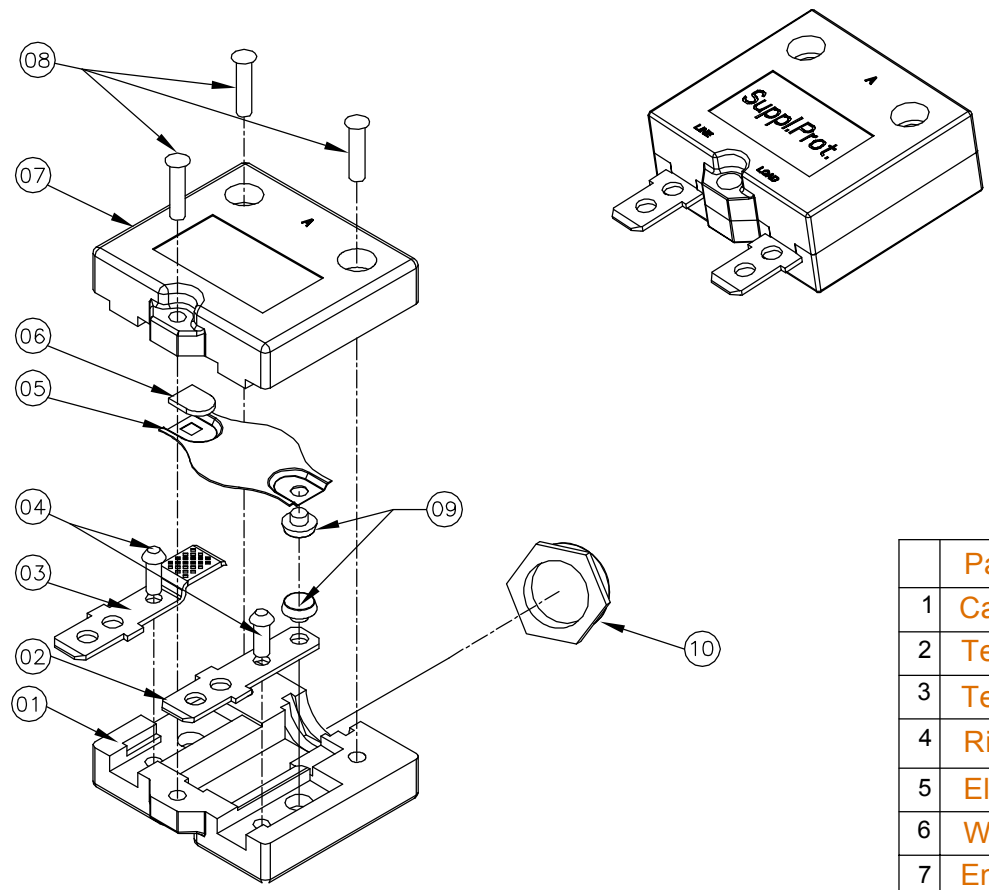
Please multiply the current breaker current ratings by the derating factor shown below.

Ambient Temperature	-10°C	0°C	10°C	25°C	40°C	50°C	60°C
Multiplication Factor	1.5	1.4	1.2	1.00	0.85	0.7	0.6

Trip Time Curves



△5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm		
△4				DIMENSION	TOLERANCE					SCALE	1:1		
△3				XX.XX	±0.05					REV			
△2				XX.X	±0.1					DATE			
△1				XX	±0.15								
				ANGLE	TOLERANCE	FILE NO	SCB98AR Auto-Reset Breaker			TITLE			
				X	±1°	喜威達企業股份有限公司					DRAWING NO		
NO	DESCRIPTION	APPROVED	DATE	X.X	±0.5°								



	Part Name	Disignation	
1	Case	Phenolic	1pc
2	Terminal #1	Coper Alloy (C2680)	1pc
3	Terminal #2	Coper Alloy (C2680)	1pc
4	Rivet #1	Aluminum	2pcs
5	Elastic Sheet	Bimetal (EMS or Sumitomo)	1pc
6	Washer	Coper Alloy (C2680)	1pc
7	Enclosure	Phenolic	1pc
8	Rivet #2	Aluminum	3pcs
9	Contact	AgCdO	2pcs
10	Mounting Means	ABS 766	1pc

5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	
4				DIMENSION	TOLERANCE					SCALE	1:1	
3				XX.XX	±0.05					REV		
				XX.X	±0.1					DATE		
2				XX	±0.15							
1				ANGLE	TOLERANCE	FILE NO	SCB98AR Auto-Reset Breaker			TITLE		
				X	±1°	喜威達企業股份有限公司						
NO	DESCRIPTION	APPROVED	DATE	X.X	±0.5°					DRAWING NO		

SCB98AR -

20

-

ZJ

B

1

Series No.

Amp Rating

Fitting
Type

Rod Type

Terminal
Type

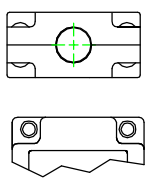
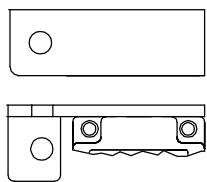
05= 5A 20=20A
 07= 7A 25=25A
 08= 8A 30=30A
 10=10A 35=35A
 12=12A 40=40A
 13=13A 45=45A
 15=15A 50=50A

0=None
 B=Black Rod

Plastic

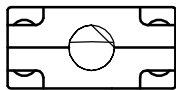
ZJ

AR

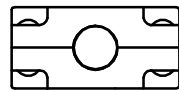


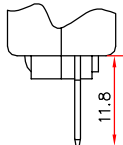
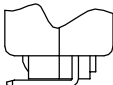
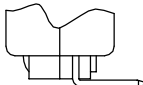
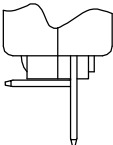
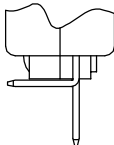
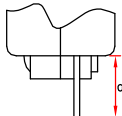
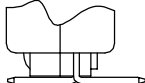
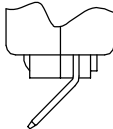
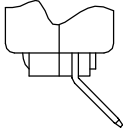
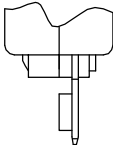
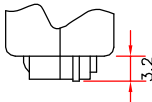
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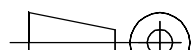
B=Black Rod



No,Rod

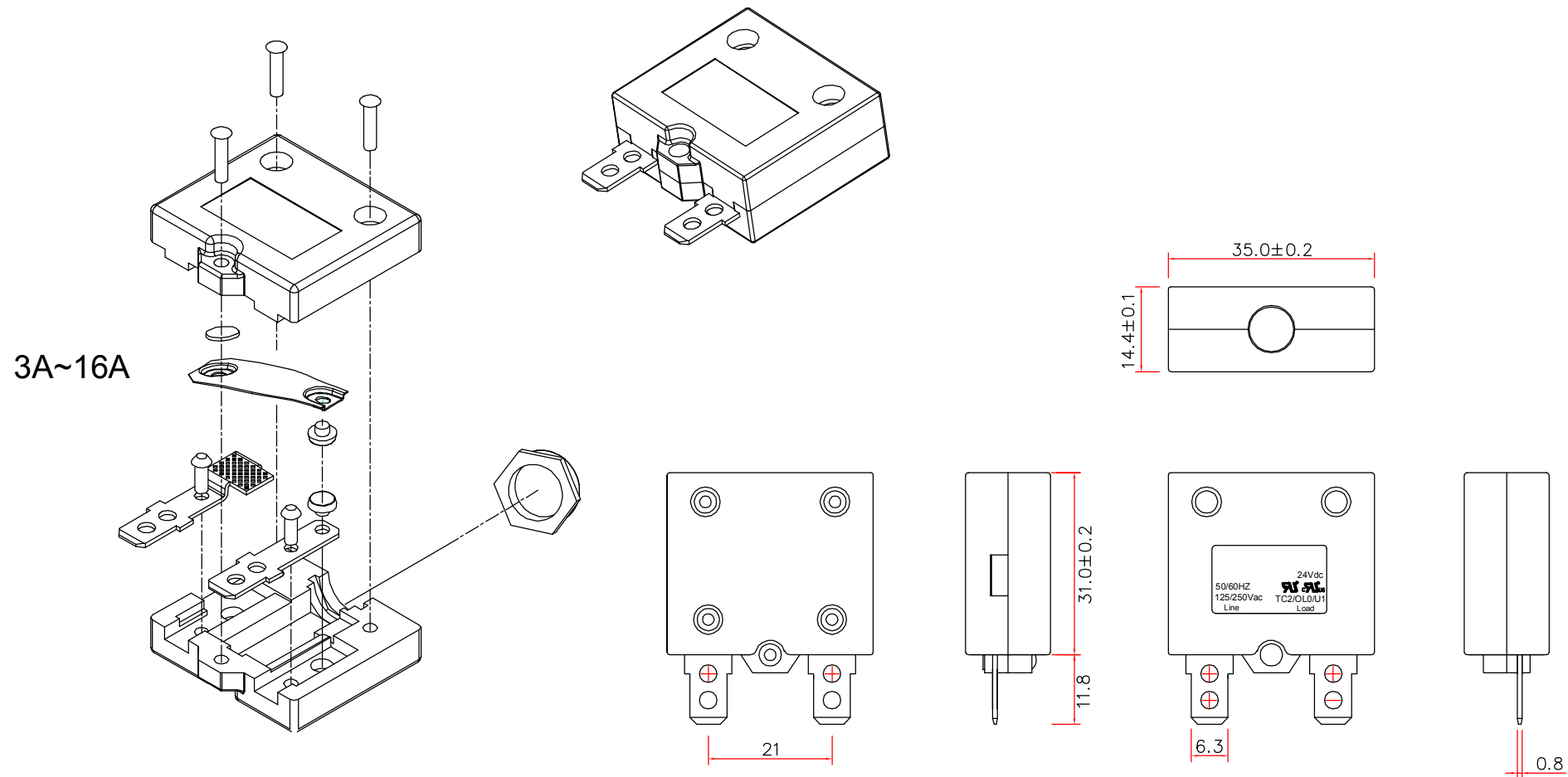


1	Straight 11.8mm	2	90° bend up	3	90° bend down	4	90° bend Line pin	5	90° bend Load pin	6	Straight 8.0mm
											
7	90° bend up / down	8	45° bend up	9	45° bend down	F	Screwa #8-32	X	Straight 3.2mm		
											

△5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	
△4				DIMENSION	TOLERANCE					SCALE	1:1	
△3				XX.XX	±0.05					REV		
△2				XX	±0.15					DATE		
△1				ANGLE	TOLERANCE	FILE NO	SCB98AR Auto-Reset Breaker			TITLE		
				X	±1°	喜威達企業股份有限公司					DRAWING NO	
				X.X	±0.5°							
NO	DESCRIPTION	APPROVED	DATE									

SCB98AR-XX-ARB1

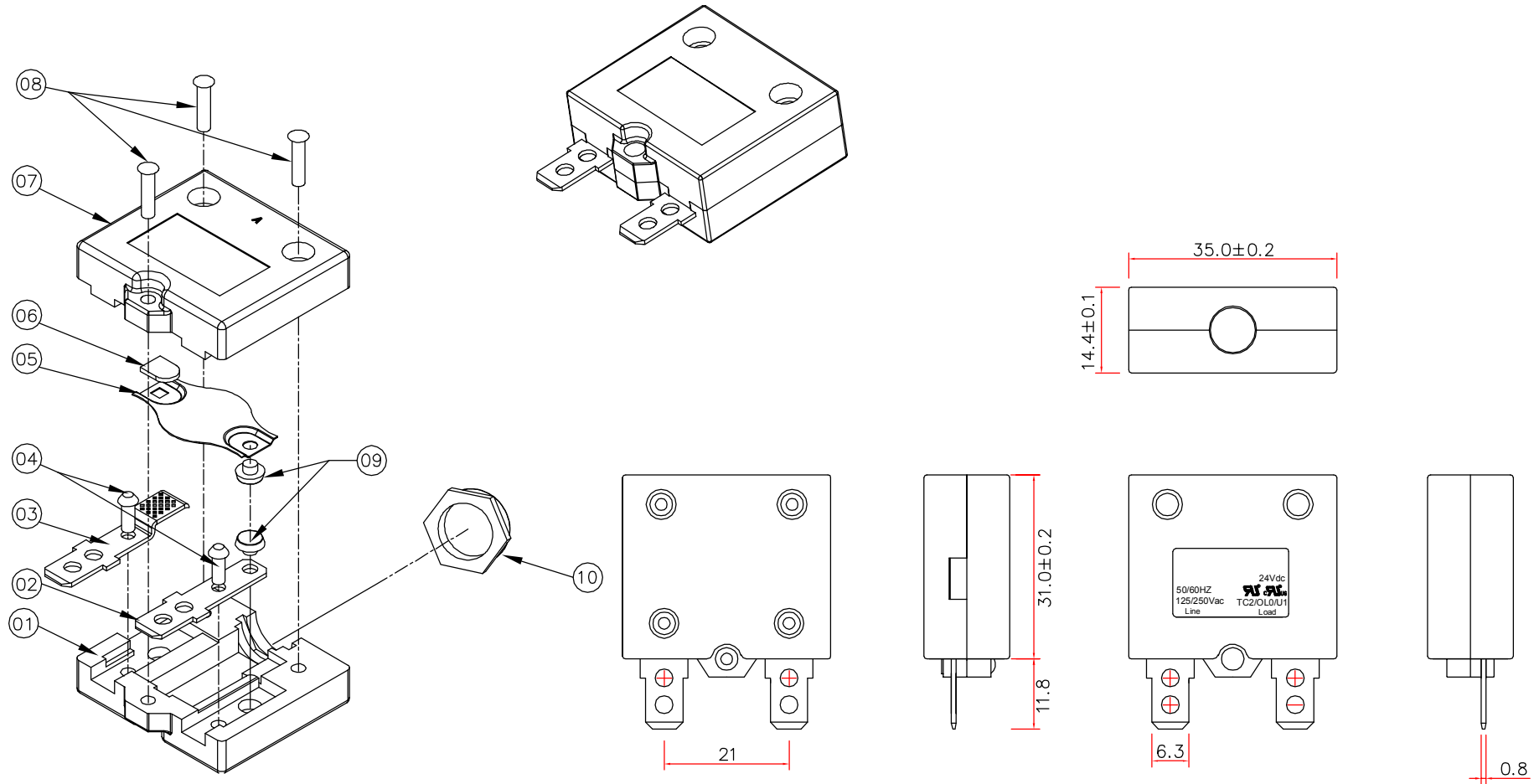
XX=3A~16A



△5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	
△4				DIMENSION	TOLERANCE					SCALE	1:1	
△3				XX.XX	±0.05					REV	A/2	
△2				XX.X	±0.1					DATE	2009.10.22	
△1				XX	±0.15					TITLE	SCB98AR-XX-ARB1	
NO	DESCRIPTION	APPROVED	DATE	ANGLE	TOLERANCE	FILE NO	SCB98AR Auto-Reset Breaker			DRAWING NO	981022-1	
				X	±1°	喜威達企業股份有限公司						
				X.X	±0.5°							

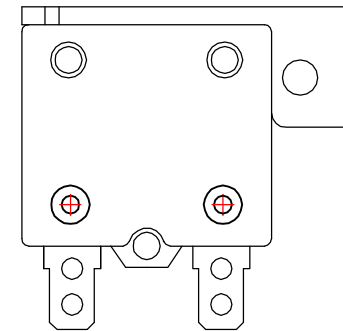
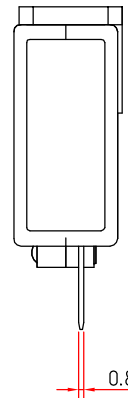
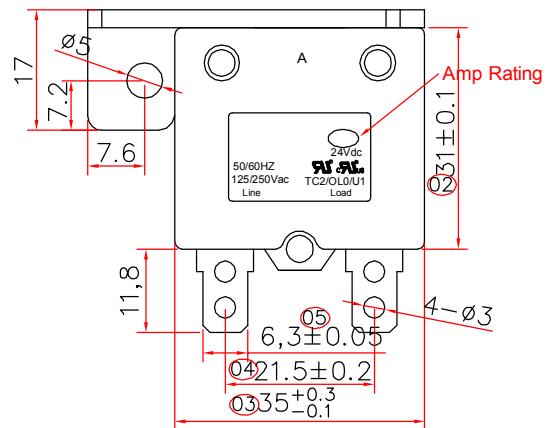
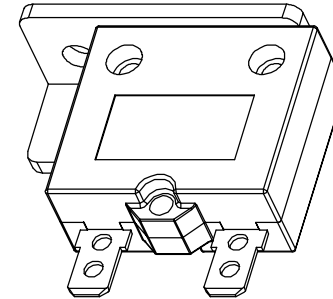
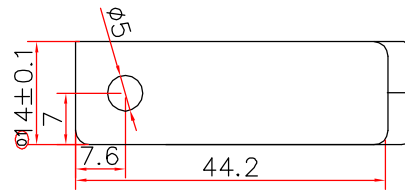
SCB98AR-XX-ARB1

XX=17A~50A



△5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm		
△4				DIMENSION	TOLERANCE					SCALE	1:1		
△3				XX.XX	±0.05					REV	A/2		
△2				XX	±0.15					DATE	2009.10.22		
△1				ANGLE	TOLERANCE					FILE NO	SCB98AR Auto-Reset Breaker		TITLE
NO	DESCRIPTION	APPROVED	DATE	X	±1°	喜威達企業股份有限公司				DRAWING NO	981022-1		
				X.X	±0.5°								

SCB98AR-XX-ZJB1



NOTES:

1.圖上所示 (XX) 為必檢尺寸。

△5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	
△4				DIMENSION	TOLERANCE					SCALE	1:1	
△3				XX.XX	±0.05					REV	A/2	
△2				XX.X	±0.1					DATE	2009.10.22	
△1				XX	±0.15					TITLE	SCB98AR-XX-ZJB1	
NO	DESCRIPTION	APPROVED	DATE	ANGLE	TOLERANCE	FILE NO	SCB98AR Auto-Reset Breaker			DRAWING NO	981022-1	
				X	±1°	喜威達企業股份有限公司						
				X.X	±0.5°							