



# **Automatic Transfer Switches**

# **ATS PRODUCT LINE**

Amperage Range

Power Switching Technology

Shrology Circuit Breaker Power Contactor         TS 880         TS 870         TS 970         TS 930         TS 910         TS 920           100A to 400A 600A to 800A 800A to 1200A 1600A 2000A to 4000A         0	NE	FEATURE	FEATURE COMPARISONS:						
Circuit Breaker <ul> <li></li></ul>	chnology	TS 880	TS 870	TS 840	TS 970	TS 930	TS 910	TS 920	
Power Contactor		•	•	•					
600A to 800A         800A to 1200A         1600A         200A to 4000A         200A to 4000A         208 / 240V         380V         380V         480V         380V         480V         480V         380V         480V         490e         40e         2 Pole         4 Pole					•	•	•	•	
600A to 800A         800A to 1200A         1600A         200A to 4000A         200A to 4000A         2008 / 240V         380V         380V         480V         490e         40e         201         380V         490e         40e         40e         40e         40e         40e         50e         60e         60e         60e         60e         60e         60e         60e <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
800A to 1200A 1600A 2000A to 4000A          •         •         •			•	•	•	٠	٥	•	
1600A       0       0       0       0         2000A to 4000A       0       0       0       0       0         208 / 240V 380V 480V 600V oltage Capability       0       0       0       0       0       0         2 Pole 3 Pole 4 Pole       0       0       0       0       0       0       0       0         101 Tested Cle), Any Breaker Specific Breaker       0 <t< td=""><td></td><td></td><td></td><td>0</td><td>_</td><td></td><td></td><td></td></t<>				0	_				
2000A to 4000A          •         •         •			•						
208 / 240V         380V         380V         600V         0       0         2 Pole         4 Pole         4 Pole         4 Pole         4 Pole         1 Pole         4 Pole         1 Pole         2 Pole         4 Pole         1 Pole         1 Pole         2 Pole         1 Pole         1 Pole         2 Pole         1 Pole         1 Pole         1 Pole         2 Pole         1 Pole         1 Pole         2 Pole         1 Pole         1 Pole         2 Pole         1 Pole									
380V       0       0       0 <sup>3</sup> 0         480V       000V       0       0       0       0         2 Pole       3 Pole       0       0       0       0       0         2 Pole       3 Pole       0       0       0       0       0       0         2 Pole       0       0       0       0       0       0       0       0         4 Pole       0       0       0       0       0       0       0       0         ating Tested       0       0       0       0       0       0       0       0         47-6-1 Compliant       0	2000A 10 4000A					•			
380V 480V 600V       0	208 / 240V		•	•	5	•	0	•	
480V       0									
a Pole       a       a       a       a         a Pole       a Pole       a       a       a       a         a Pole       a       a       a       a       a       a         a Pole       a       a       a       a       a       a       a       a         a Pole       a <td></td> <td>٠</td> <td></td> <td></td> <td><b>●</b><sup>5</sup></td> <td>0</td> <td></td> <td></td>		٠			<b>●</b> <sup>5</sup>	0			
2 Pole   3 Pole   4 Pole   ating Tested   cle), Any Breaker   Specific Breaker   UL 1008   UL 1008   A C22.2 No. 178   Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q									
3 Pole   4 Pole     ating Tested   cle), Any Breaker   Specific Breaker   UL 1008   A C22.2 No. 178   0 <tr< td=""><td>oitage Capability</td><td></td><td>•</td><td></td><td>•</td><td></td><td></td><td></td></tr<>	oitage Capability		•		•				
3 Pole       0       0       0       0       0       0         ating Tested       0	2 Polo					1		1	
4 Pole       ● </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
ating Tested         cle), Any Breaker         Specific Breaker         UL 1008         A C22.2 No. 178         A A C22.2 No. 178         A A C22.2 No. 178         A A A A A A A A A A A A A A A A A A A									
cle), Any Breaker   Specific Breaker     fications   UL 1008   A C22.2 No. 178   47-6-1 Compliant     2 Year   2 Year   5 Year     Standard   Standard   Standard   Standard   Open Transition   Open Transitio			•	1		•		1	
Specific Breaker   fications   UL 1008   A C22.2 No. 178   A C22.2 No. 178   Image: Standard Service Entrance Bypass I Isolation   Standard Service Entrance Bypass I Isolation   Open Transition on - Momentary2   ition - Soft Load2   Dual Source     Sc 900 Controller     Image: Standard Service Entrance Bypass I Isolation     Open Transition on - Momentary2   Image: Standard Service Entrance Bypass I Isolation     Im	-		•	•					
UL 1008 A C22.2 No. 178 H7-6-1 Compliant 2 Year 5 Year Standard Service Entrance Bypass / Isolation Bypass Isolation Open Transition on - Momentary <sup>2</sup> Dual Source CS 900 Controller mAP <sup>TM</sup> Controller TSC 9 Controller	Specific Breaker		•			•		•	
A C22.2 No. 178 47-6-1 Compliant 2 Year 5 Year Standard Service Entrance Bypass / Isolation Bypass Isolation Open Transition on - Momentary <sup>2</sup> Other Harden Controller SC 900 Controller SC 900 Controller SC 90 Controller SC	ifications								
17-6-1 Compliant         2 Year         5 Year         0       0         Standard         Service Entrance         Sypass / Isolation         Bypass / Isolation         Open Transition         0       0 <tr< td=""><td></td><td>٥</td><td>•</td><td>•</td><td>0</td><td></td><td><b>0</b><sup>4</sup></td><td>•</td></tr<>		٥	•	•	0		<b>0</b> <sup>4</sup>	•	
2 Year   5 Year   O   Standard   Service Entrance   Sypass / Isolation   Bypass Isolation   Open Transition   Open Transition<		•	٥	•	•		0	0	
5 Year       0 </td <td>47-6-1 Compliant</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td>	47-6-1 Compliant					•			
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Bypass Isolation       O	Service Entrance		0		0		0	0	
Open Transition on - Momentary²       ●									
on - Momentary <sup>2</sup> Sition - Soft Load <sup>2</sup> Dual Source O O O O O O O O O O O O O	Bypass Isolation	0	0						
on - Momentary <sup>2</sup> ition - Soft Load <sup>2</sup> Dual Source CC 900 Controller mAP <sup>™</sup> Controller TSC 9 Controller	Open Transition	•	•	•	•	•	•	•	
Sc 900 Controller mAP™ Controller TSC 9 Controller	on - Momentary <sup>2</sup>	0							
SC 900 Controller mAP™ Controller TSC 9 Controller	sition - Soft Load <sup>2</sup>	0							
mAP <sup>™</sup> Controller TSC 9 Controller	Dual Source	0	0		0				
mAP <sup>™</sup> Controller TSC 9 Controller	C 000 Controller		-	1		I			
TSC 9 Controller			•						
				•			•		
		8	8		8	8			

## 800A to 1200 1600 2000A to 4000 Voltage Range 208 / 240 380 480 600 Multivoltage Capabilit Poles 2 Po 3 Po 4 Po Withstand Current Rating Tested 50 mSEC (3 Cycle), Any Break Series Rated, Specific Break Safety Standard Certifications UL 100 CSA C22.2 No. 17 IEC 60947-6-1 Complian Warranty 2 Yea 5 Ye

## **ATS Operation**

Open Transitio **Closed Transition - Momentar** Closed Transition - Soft Load Dual Source

# **Controller Features**

TSC 900 Controll DSE<sup>™</sup>/ComAP<sup>™</sup> Controlle TSC 9 Controlle Programmable Output Contact Qty



Auto / Test 4 Position Selection-Auto / Off / Full Load Test / No Load

> Test Manual Initiated Exercise Clock Calendar Based Exercise Clock

#### Voltage and Frequency Sensing

Utility Under Voltage Utility Over Voltage Utility Over / Under Frequency Utility Phase Balance / Phase Loss Generator Under Voltage Generator Over Voltage Generator Phase Balance Generator Under Frequency Generator Over Frequency

Timers		

Engine Start Engine Warmup Neutral Delay Engine Cooldown Utility Return Timer In-Phase Detector

#### Data Logs

Total number of transfers Total number of transfers due to source failure Number of hours controller is energized Number of hours load is on utility Number of hours load is on generator

#### **Remote Communication**

Thomson THS Series Communications Modbus™ RTU Communications Auto call out on alarm / outage Modbus™ TCP Communications

#### **Digital Display**

Wireless Remote Messaging Utility Voltage and Frequency Generator Voltage and Frequency Timer Countdown and Settings

#### Adjustments/Programming

Voltage and Frequency Settings / Jumper Selections Onboard Keypad and Digital Display

#### Enclosures

Open Style NEMA 1 NEMA 3R Single Door NEMA 3R Double Door NEMA 4/3R Stainless Steel

Optional

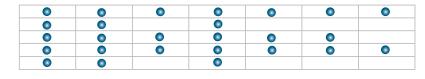
- <sup>1</sup> Standard on all 3P with Solid Neutral and 4P ATS
- <sup>2</sup> Available only from 800A to 4000A with insulated case switch type ATS
- <sup>3</sup> Data available with external lap top, PC temporarily connected

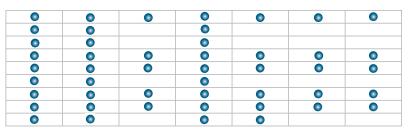


Thomson Power Systems 4916 - 275th Street Langley, BC, Canada V4W 0A3 Customer Service: 604-888-0110 info@thomsonps.com www.thomsonps.com



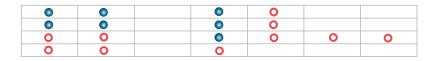
## TS 880 TS 870 TS 840 TS 970 TS 930 TS 910 TS 920

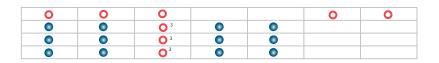




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<sup>4</sup> Optional standby UL1008 rated

<sup>5</sup> Default setup 480V. Field configurable to 208/240V

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NOTE: Specifications subject to change without notice.

