THOMSON™
POWER SYSTEMS

THOMSON

3 POSITION TEST SWITCH (3 PTS)

PORTABLE GENERATOR & LOAD BANK CONNECTION SOLUTIONS

400 - 1200A 600 VAC

REGAL®

THOMSON POWER SYSTEMS 3 POSITION TEST SWITCHES OFFER THE FOLLOWING:

PRODUCT DATA
- Amperage Range: 400A - 1200A
- Complies with NEC 700.3(f) requirements
- Voltage: 600VAC max.
- Locking trap-door for secure portable power cables
- Terminal connections for engine start contacts
- Mechanical Lugs for permanent power connections
- Load bank E16 Series Female Single Pole Inlet Connectors (SPIC)
- Portable Generator E16 Series Male Single Pole Inlet Connectors (SPIC)
- Self-closing NEMA 3R covers
- 3 Remote auxiliary contacts for switch position indication

ENCLOSURE DATA
- NEMA 1 enclosure with removable door
- Rust resistant Satin Coated steel
- Optional NEMA 3R available
- Powder Coated ASA #61 Gray

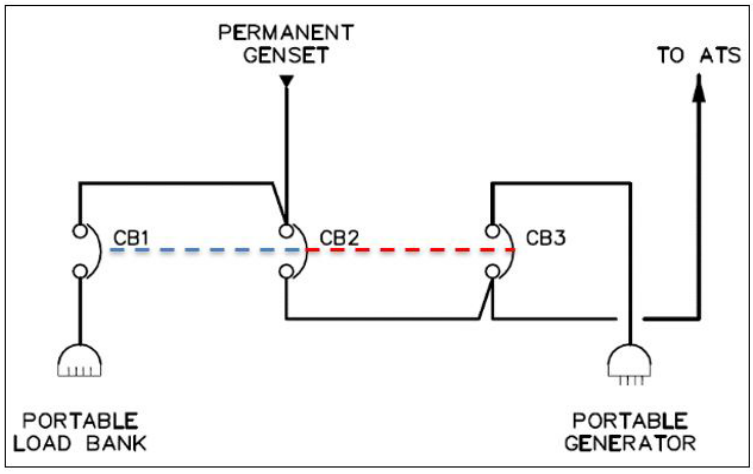
QUALITY ASSURANCE
- ISO 9001 Registered

SAFETY STANDARDS
- UL 1008 Supplement SB
- CSA C22.2 No. 178 - 12
-

WARRANTY
- 2 year limited warranty included

Thomson Power Systems 3 Position Test Switch is a quick and safe solution to make a portable generator and/or load bank connection to your electrical distribution system required for routine tests. The 3 Position Test Switch complies with NEC requirements for connecting a portable generator and/or load bank to an automatic transfer switch for ease of emergency power system maintenance. The 3 Position Test Switch is certified to UL 1008 standards.

SINGLE LINE DIAGRAM



The 3 position test switch isolates the permanent generator for maintenance & load bank test, while the portable generator is connected to the ATS. Example of LOAD BANK TEST: CB1 & CB3 can only be closed when CB2 is open.

NEC 700.3(f) REQUIREMENTS

Temporary Source of Power for Maintenance or Repair of the Alternate Source of Power.
If the emergency system relies on a single alternate source of power which will be disabled for maintenance or repair, the emergency system shall include permanent switching means to connect a portable or temporary alternate source of power, which shall be available for the duration of the maintenance or repair. The permanent switching means to connect a portable or temporary alternate source of power shall comply with the following:

1) Connection to the portable or temporary source of power shall not require modification of the permanent system wiring.

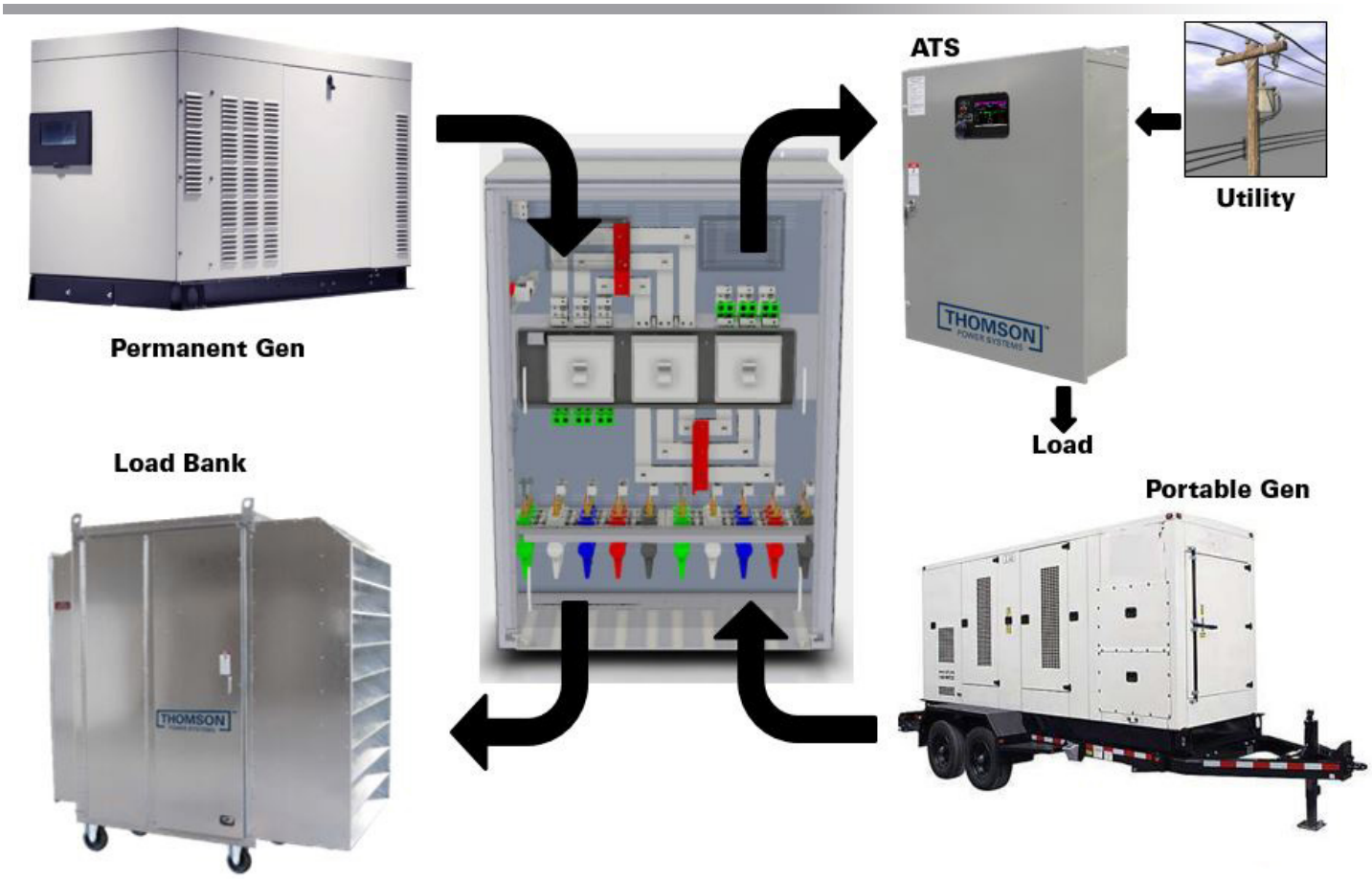
2) Transfer of power between the normal power source and the emergency power source shall be in accordance with 700.12 (Example: Emergency Power must be available within 10 seconds)

3) The connection point for the temporary alternate source shall be marked with the phase rotation and system bonding requirements.

4) Mechanical or electrical interlocking shall prevent inadvertent interconnection of power sources.

5) The switching means shall include a contact point which shall annunciate at a location remote from the generator or at another facility monitoring system to indicate that the permanent emergency source is disconnected from the emergency system.

It shall be permissible to utilize manual switching to switch from the permanent source of power to the temporary alternate source of power and to utilize the switching means for connection of a load bank.



WITHSTAND CURRENT RATINGS (WITHOUT OVER CURRENT PROTECTION)

MODEL	MCCB/MCS	RATED CURRENT (AMPS)	MAX VOLTAGE	WITHSTAND CURRENT RATING AMPS (RMS)[1]		
				PERMANENT GEN - CB2 WCR	PORTABLE GENERATOR[2] Single Pole Inlet CB3 WCR	PORTABLE LOADBANK[2] Single Pole Inlet - CB1 WCR
3 PTS-0400-AAA---	MCS	400A	240	200,000	65,000	65,000
3 PTS-0400-AAA---	MCS	400A	480	65,000	65,000	65,000
3 PTS-0400-AAA---	MCS	400A	600	35,000	35,000	35,000
3 PTS-0800-AAA---	MCS	800A	240	200,000	65,000	65,000
3 PTS-0800-AAA---	MCS	800A	480	65,000	65,000	65,000
3 PTS-0800-AAA---	MCS	800A	600	35,000	35,000	35,000
3 PTS-1200-AAA---	MCS	1200A	240	100,000	65,000	65,000
3 PTS-1200-AAA---	MCS	1200A	480	65,000	65,000	65,000
3 PTS-1200-AAA---	MCS	1200A	600	50,000	50,000	50,000

1 Only standard ratings are shown. Consult Thomson Power Systems for versions with higher withstand current ratings.
2 Maximum withstand rating for single pole inlet connectors are 65,000A WCR.

WITHSTAND CURRENT RATINGS (WITH OVER CURRENT PROTECTION)

MODEL	MCCB/MCS	RATED CURRENT (AMPS)	MAX VOLTAGE	WITHSTAND CURRENT RATING AMPS (RMS)[1]		
				PERMANENT GEN - CB2 WCR	PORTABLE GENERATOR[2] Single Pole Inlet CB3 WCR	PORTABLE LOADBANK[2] Single Pole Inlet - CB1 WCR
3 PTS-0400-BBB---	MCCB LS/I	400A	240	100,000	65,000	65,000
3 PTS-0400-BBB---	MCCB LS/I	400A	480	50,000	50,000	50,000
3 PTS-0400-BBB---	MCCB LS/I	400A	600	25,000	25,000	25,000
3 PTS-0800-BBB---	MCCB LS/I	800A	240	100,000	65,000	65,000
3 PTS-0800-BBB---	MCCB LS/I	800A	480	50,000	50,000	50,000
3 PTS-0800-BBB---	MCCB LS/I	800A	600	25,000	25,000	25,000
3 PTS-1200-BBB---	MCCB LS/I	1200A	240	65,000	65,000	65,000
3 PTS-1200-BBB---	MCCB LS/I	1200A	480	50,000	50,000	50,000
3 PTS-1200-BBB---	MCCB LS/I	1200A	600	25,000	25,000	25,000
3 PTS-1200-DDD---	MCCB LSIG	1200A	240	65,000	65,000	65,000
3 PTS-1200-DDD---	MCCB LSIG	1200A	480	50,000	50,000	50,000
3 PTS-1200-DDD--	MCCB LSIG	1200A	600	25,000	25,000	25,000

1 Only standard ratings are shown. Consult Thomson Power Systems for versions with higher withstand current ratings.
2 Maximum withstand rating for single pole inlet connectors are 65,000A WCR.

ENCLOSURE DIMENSIONS/CABLE TERMINATIONS

AMPERAGE	NEMA RATING	NEMA DIMENSIONS			SHIPPING WEIGHT lbs (kg)	TERMINAL RATING	
		HEIGHT INCHES (mm)	WIDTH INCHES (mm)	DEPTH INCHES (mm)		QTY (PER PHASE)	RANGE
400A	1	60″ (1524)	42″ (1066.8)	19.5″ (495.3)	381.1 lbs (172.86)	2	2/0-500 mcm
800A	1	60″ (1524)	42″ (1066.8)	19.5″ (495.3)	397 lbs (180)	3	2/0-500 mcm
1200A	1	60″ (1524)	42″ (1066.8)	19.5″ (495.3)	417.6 lbs (189.4)	4	4/0-500 mcm
400A	3R	60″ (1524)	42″ (1066.8)	19.5″ (495.3)	460 lbs (208.65)	2	2/0-500 mcm
800A	3R	60″ (1524)	42″ (1066.8)	19.5″ (495.3)	480 lbs (217.72)	3	2/0-500 mcm
1200A	3R	60″ (1524)	42″ (1066.8)	19.5″ (495.3)	500 lbs (226.80)	4	4/0-500 mcm

Optional terminal ratings are available in some models - Consult Thomson Power Systems
* Enclosures painted ASA #61 Gray.

ORDERING INFORMATION

When placing an order, specify the following 16 digit MODEL CODE as per the features and applications described below.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	P	T	S	-											

1-4. SERIES

3PTS - 3 POSITION TEST SWITCH

6 - 9. AMPERAGE

0400

0800

1200

10. LOADBANK BREAKER TYPE

A - MOLDED CASE SWITCH

B - MOLDED CASE CIRCUIT BREAKER w/LSI TRIP

C - MOLDED CASE CIRCUIT BREAKER w/LSI TRIP 100% RATED

D - 1200A LSIG GROUND FAULT

11. PERMANENT GENSET BREAKER TYPE

A - MOLDED CASE SWITCH

B - MOLDED CASE CIRCUIT BREAKER w/LSI TRIP

C - MOLDED CASE CIRCUIT BREAKER w/LSI TRIP 100% RATED

D - 1200A LSIG GROUND FAULT

12. PORTABLE BREAKER TYPE

A - MOLDED CASE SWITCH

B - MOLDED CASE CIRCUIT BREAKER w/LSI TRIP

C - MOLDED CASE CIRCUIT BREAKER w/LSI TRIP 100% RATED

D - 1200A LSIG GROUND FAULT

13. POLES

3 - 3 POLES

14 - 15. VOLTAGE COLOR CODE (OPTIONS BELOW)

A1 - 120/208/240VAC
BLK, RED, BLU, WHT, GRN

A2 - 480VAC
BRN, ORG, YEL, WHT, GRN

C1 - 120 - 600VAC
RED, BLK, BLU, WHT, GRN

NC - NO CAMLOCKS

16 - ENCLOSURE TYPE

A - NEMA 1, ASA #61 GRAY

B - NEMA 3R SD, ASA #61 GRAY

VOLTAGE COLOR CODE

USA							
COLOR CODE	VOLTAGE	CAMLOCK COLOR GUIDE					
		A	B	C	N	G
A1	120/240V	BLK	RED		WHT	GRN
	240V (DELTA)	BLK	RED	BLU		GRN
	208Y/120V	BLK	RED	BLU	WHT	GRN
A2	480Y/277V	BRN	ORG	YEL	WHT	GRN
	480V (DELTA)	BRN	ORG	YEL		GRN

CANADA							
COLOR CODE	VOLTAGE	CAMLOCK COLOR GUIDE					
		A	B	C	N	G
C1	120/240V	RED	BLK		WHT	GRN
	240V (DELTA)	RED	BLK	BLU		GRN
	208Y/120V	RED	BLK	BLU	WHT	GRN
	600Y/347V	RED	BLK	BLU	WHT	GRN
	600V (DELTA)	RED	BLK	BLU		GRN

OPTIONAL FEATURES

CODE	DESCRIPTION
3R	NEMA 3R Single Door Enclosure
VI	3 Phase Voltage Indicator (specify for Portable Gen and/or Permanent Gen)
P1	Phase Monitoring 480VAC
P2	Phase Monitoring 600VAC
FP	Floor Mount Pedestal
STL	Load Bank Shunt Trip, 24Vdc
GFCI - 20A	20A, 120VAC GFCI Convenience Receptacle (externally powered)

OTHER:

3YR	Additional 12 Month Parts & Labor Warranty
5YR	Additional 48 Month Parts & Labor Warranty

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

NOTE: Specifications subject to change without notice.

APPLICATION CONSIDERATIONS

The proper selection and application of power generation products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and its affiliates with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

For a copy of our Standard Terms and Conditions of Sale, Disclaimers of Warranty, Limitation of Liability and Remedy, please contact Customer Service at 1-888-888-0110. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use a Regal Beloit America Inc. product referred to herein, including any person who buys from a licensed distributor of these branded products.