

BTPC accessories kits

> Specification sheet



**Power
Generation**

Our energy working for you.™

Feature codes

Following is an alpha-numeric listing of feature codes. Those identified as “NA” cannot be ordered as field installable accessories. They must be selected on the original factory order.

		Accessory kit part number	Instruction sheet
A028-7	3-pole	NA	NA
A029-7	4-pole	NA	NA
A035-7	Application - utility-to-genset	NA	NA
A036-7	Application - utility-to-utility	NA	NA
A046-7	Listing UL 1008/CSA certification	NA	NA
A064-7	Listing UL/NFPA 20 fire pump circuits	NA	NA
A044-7	Frequency - 60 hertz	NA	NA
A045-7	Frequency - 50 hertz	NA	NA
A041-7	System – 1-phase, 2-wire or 3-wire	NA	NA
A042-7	System – 3-phase, 3-wire or 4-wire	NA	NA
B001-7	Cabinet - type 1	NA	NA
B002-7	Cabinet - type 3R	NA	NA
B003-7	Cabinet - type 4	NA	NA
B004-7	Construction - open	NA	NA
B008-7*	Adapter bay 1200 amp 3-pole (order through parts)	0306-3997-01	NA
B009-7*	Adapter bay 1200 amp 4-pole (order through parts)	0306-3998-01	NA
B010-7	Cabinet - type 12	NA	NA
C024-7	Switch control - level 2	NA	NA
D009-7	Meters - bar graph display	NA	NA

* For type 1 enclosures only.

Battery chargers

Battery chargers may be mounted on the transfer switch, for use in charging the genset starting and control batteries. See specification sheets for battery charger design and specification information.

		Accessory kit part number	Instruction sheet
K001-7	Battery charger - 2 amp, 12/24 VDC out		
	120 volt	0300-3507	C271
	208 volt	0300-3508	C271
	240 volt	0300-3509	C271
	347 volt	0300-3510	C271
	380 volt	0300-3511	C271
	416 volt	0300-3512	C271
	480 volt	0300-3513	C271
KB59-7	Battery charger - 15 amp, 12 VDC, 50/60 Hz	0300-3514	C271
KB60-7	Battery charger - 12 amp, 24 VDC, 50/60 Hz		
	120 volt	0300-5878-13	C672
	208 volt	0300-5878-13	C672
	240 volt	0300-5878-13	C672
	277 volt	0300-5878-14	C672
	380 volt	0300-5878-15	C672
	416 volt	0300-5878-16	C672
	480 volt	0300-5878-17	C672
	600 volt	0300-5878-18	C672
	Temperature sensor kit	0541-0918	G573

Auxiliary relays

Provides three sets of double throw contacts for customer use.

		Accessory kit part number	Instruction sheet
L10X-7	Note: Following kits require bracket 319-3943-01 (not included)		
L101-7	Auxiliary relay - 24 VDC - 2 N/O and 2 N/C contacts*	0300-3503*	C274
L102-7	Auxiliary relay - 24 VDC - 2 N/O and 2 N/C contacts emergency position*	0300-3503*	C274
L103-7	Auxiliary relay - 24 VDC - 2 N/O and 2 N/C contacts normal position*	0300-3503*	C274
L201-7	Auxiliary relay - 12 VDC - 2 N/O and 2 N/C contacts*	0300-3502*	C274
L202-7	Auxiliary relay - 12 VDC - 2 N/O and 2 N/C contacts emergency position*	0300-3502*	C274
L203-7	Auxiliary relay - 12 VDC - 2 N/O and 2 N/C contacts normal position*	0300-3502*	C274

Terminal block

30 point terminal block to mount inside cabinet for customer select use.

		Accessory kit part number	Instruction sheet
M003-7	Terminal block - 30 points	0332-3302*	C458

* Accessory mounting plate 0319-3943-01 (available through parts) is required to mount this kit. If your transfer switch already has one of the features designated by a "*" this mounting plate is already there. Also, 1200 amp and above switches have this plate as standard.

Our energy working for you.™

www.cumminspower.com

©2008 | Cummins Power Generation Inc. | All rights reserved | Specifications subject to change without notice | Cummins Power Generation and Cummins are registered trademarks of Cummins Inc. "Our energy working for you." and InPower are Trademarks of Cummins Power Generation. Other company, product or service names may be trademarks or service marks of others.
AC-166d (5/08) Page 2 of 6



Load shed from emergency

Kit allows modification of the transfer switch to accept a remote signal to switch the transfer switch from emergency position to neutral position.

		Accessory kit part number	Instruction sheet
M007-7	Load shed - from emergency	NA	NA

Security key - front panel

Front panel access can be locked out using this option - prevents unauthorized transfers or testing and unauthorized adjustments via the digital display.

		Accessory kit part number	Instruction sheet
M017-7	Security-front panel	0300-5444	C602

Digital display

The digital display provides a convenient method for monitoring load power conditions, adjusting transfers switch parameters, monitoring PowerCommand network status or reviewing transfer switch events. Password protection limits access to adjustments to authorized personnel. The digital display comes standard with the level 2 PowerCommand microprocessor control and optional with the level 1 control.

		Accessory kit part number	Instruction sheet
M018-7	Display-digital	NA	NA

Interface - network communications

Provides connection to the PowerCommand network. LonWorks® compatible for integration into customer monitoring strategy.

		Accessory kit part number	Instruction sheet
M020-7	Interface-network communications (TP-78)	NA	NA

Monitoring - load

Measures load phase and neutral, current, power factor, real power (kW) and apparent power (kVA). Warns of excessive neutral current resulting from unbalanced or nonlinear loads.

		Accessory kit part number	Instruction sheet
M022-7	Monitoring-load	NA	NA

Module - relay signal

Provides an adjustable transfer, pending time delay of 0 to 60 seconds and normal and emergency status signals, to prevent interruption of power during elevator operation. Relay outputs include: Source 1 connected and available, source 2 connected and available, not in auto, test/exercise active and pending transfer (elevator signal).

		Accessory kit part number	Instruction sheet
M023-7	Use module-relay signal with 150-1000 amp switches only (bracket 319-3943-01 required: not included).	0300-5443*	C601

Network communication module

The module provides an interface to the PowerCommand FTT-10 network (LonWorks) and a load sequencer feature that sequences other (network) devices in a timed fashion.

		Accessory kit part number	Instruction sheet
M031-7	Network communications module (NCM)(FTT-10)		
	40-1000 amp	0541-0812	C632
	1200-3000 amp	0541-0868	C632

* Accessory mounting plate 0319-3943-01 (available through parts) is required to mount this kit. If your transfer switch already has one of the features designated by a "*" this mounting plate is already there. Also, 1200 amp and above switches have this plate as standard.

Our energy working for you.™

www.cumminspower.com

Mechanical lugs - cable

		Accessory kit part number	Instruction sheet
N008-7	150 - 225 amp		
	Standard (1) #6 - 300 MCM	0300-4020	NA
	Optional (1) #4 - 500 MCM	0300-4021	NA
	260 amp		
	Standard (1) #6 - 400 MCM	0300-4022	NA
	Optional (1) #4 - 500 MCM	0300-4021	NA
	300 - 400 amp		
	Standard (1) #3/0 - 600 MCM or (2) 3/0-250 MCM	0300-3983	NA
	Optional (1) 350 - 1000 MCM	0300-3986	NA
	600 amp		
	Standard (2) 250 - 500 MCM	0300-3984	NA
	Optional (2) #2/0 - 600 MCM	0300-3985	NA
	800 - 1000 amp		
	3-pole		
	Standard (4) 250 - 500 MCM (phase), (4) #2 - 600 MCM (neutral)	0300-4018	0626-1984
	Optional (3) 300 - 750 MCM (phase), (4) 1/0 - 750 MCM (neutral)	0300-4016	0626-1982
4-pole			
Standard (4) 250 - 500 MCM (phase and neutral)	0300-4019	0626-1985	
Optional (3) 300 - 750 MCM (phase and neutral)	0300-4017	0626-1983	
N008-7	Terminal lugs-cable (1600 - 3000 amp)		
	3-pole		
	- 1600 - 2000 amp (8) #2 - 600 MCM	0300-4240	0539-1468
	- 3000 amp (4) #2 - 600 MCM	0300-4242	0539-1469
	4-pole		
	- 1600 - 2000 amp (8) #2 - 600 MCM	0300-4238	0539-1468
- 3000 amp (4) #2 - 600 MCM	0300-4239	0539-1469	

Power connection - bus stubs

The transfer switch is equipped with bus stubs for bolted connection of customer supplied bussing. Stubs are sized for full rated switch current. Bus stubs are available with "open construction" cabinet option only.

		Accessory kit part number	Instruction sheet
N009-7	Power connection - bus stubs	NA	NA

Terminal block - retransfer inhibit

Retransfer inhibit terminal block connections inhibit retransfer to the utility or preferred source. Connecting the terminals with a field installed jumper or switch inhibits retransfer. The override button on the front panel display overrides the inhibit and initiates instant retransfer. Removing the connection enables the retransfer time delay and subsequent retransfer.

		Accessory kit part number	Instruction sheet
N020-7	Terminal block - retransfer inhibit	0300-5436	C597

Our energy working for you.™

www.cumminspower.com

©2008 | Cummins Power Generation Inc. | All rights reserved | Specifications subject to change without notice | Cummins Power Generation and Cummins are registered trademarks of Cummins Inc. "Our energy working for you." and InPower are Trademarks of Cummins Power Generation. Other company, product or service names may be trademarks or service marks of others.
AC-166d (5/08) Page 4 of 6



Actuator - voltage conversion kits

These kits are for field conversion of the operating voltage of the transfer switch. Each kit is designed for use on any voltage transfer switch.

Note: If the transfer switch being modified includes AC metering, a metering conversion kit will be required to complete the conversion process. If a battery charger is included in the transfer switch, it also must be replaced.

		Accessory kit part number	Instruction sheet
R020-7	Voltage - 120 VAC		
	150 - 260 amp	0541-0718	C620
	300 - 600 amp	0541-0723	C620
	800 - 1000 amp	0541-0729	C620
	1200 amp	NA	NA
	1600 - 3000 amp	NA	NA
R021-7	Voltage - 208 VAC		
	150 - 260 amp	0541-0720	C620
	300 - 600 amp	0541-0725	C620
	800 - 1000 amp	0541-0731	C620
	1200 amp	0300-4387	C445
	1600 - 3000 amp	0300-4390	C445
R022-7	Voltage - 220 VAC		
	150 - 260 amp	0541-0720	C620
	300 - 600 amp	0541-0726	C620
	800 - 1000 amp	0541-0732	C620
	1200 amp	0300-4387	C445
	1600 - 3000 amp	0300-4390	C445
R023-7	Voltage - 240 VAC		
	150 - 260 amp	0541-0720	C620
	300 - 600 amp	0541-0726	C620
	800 - 1000 amp	0541-0732	C620
	1200 amp	0300-4387	C445
	1600 - 3000 amp	0300-4390	C445
R024-7	Voltage - 380 VAC		
	150 - 260 amp	0541-0721	C620
	300 - 600 amp	0541-0727	C620
	800 - 1000 amp	0541-0733	C620
	1200 amp	0300-4388	C445
	1600 - 3000 amp	0300-4391	C445
R025-7	Voltage - 416 VAC		
	150 - 260 amp	0541-0721	C620
	300 - 400 amp	0541-0727	C620
	600 - 1000 amp	0541-0733	C620
	1200 amp	0300-4388	C445
	1600 - 3000 amp	0300-4391	C445
R026-7	Voltage - 480 VAC		
	150 - 260 amp	0541-0722	C620
	300 - 400 amp	0541-0728	C620
	600 - 1000 amp	0541-0734	C620
	1200 amp	0300-4389	C445
	1600 - 3000 amp	0300-4392	C445
R027-7	Voltage - 600 VAC		
	150 - 260 amp	NA	NA
	300 - 600 amp	NA	NA
	800 - 1000 amp	NA	NA
	1200 amp	NA	NA
	1600 - 3000 amp	NA	NA
R035-7	Voltage - 440 VAC		
	150 - 260 amp	0541-0722	C620
	300 - 600 amp	0541-0728	C620
	800 - 1000 amp	0541-0734	C620
	1200 amp	0300-4389	C445
	1600 - 3000 amp	0300-4392	C445

Our energy working for you.™

www.cumminspower.com

©2008 | Cummins Power Generation Inc. | All rights reserved | Specifications subject to change without notice | Cummins Power Generation and Cummins are registered trademarks of Cummins Inc. "Our energy working for you." and InPower are Trademarks of Cummins Power Generation. Other company, product or service names may be trademarks or service marks of others.
AC-166d (5/08) Page 5 of 6



Actuator - voltage conversion kits (continued)

R038-7	Voltage - 190 VAC	Accessory kit part number	Instruction sheet
		150 - 260 amp	0541-0719
300 - 600 amp	0541-0724	C620	
800 - 1000 amp	0541-0730	C620	
1200 amp	NA	NA	
1600 - 3000 amp	NA	NA	

Literature list

Literature list 150 - 3000 amp	Accessory kit part number	Instruction sheet
	0999-0036	NA

Service tools

Service tools (InPower) - contact service training

Certification:



ISO9001 - This product was designed and manufactured in facilities certified to ISO9001.

Americas

1400 73rd Avenue N.E.
Minneapolis, MN 55432 USA
Phone: 763 574 5000
Fax: 763 574 5298

Europe, CIS, Middle East and Africa

Manston Park Columbus Ave.
Manston Ramsgate
Kent CT 12 5BF United Kingdom
Phone 44 1843 255000
Fax 44 1843 255902

Asia Pacific

10 Toh Guan Road #07-01
TT International Tradepark
Singapore 608838
Phone 65 6417 2388
Fax 65 6417 2399

Warning: Back feed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.

Warning: For professional use only. Must be installed by a qualified service technician. Improper installation presents hazards of electrical shock and improper operation, resulting in severe personal injury and/or property damage.

Our energy working for you.™

www.cumminspower.com