

Y. Wang



Certificate of Compliance

Certificate: 1536080 (LL24563)

Master Contract: 154852

Project: 1613029

Date Issued: 2005/01/21

Issued to: Siemens Energy & Automation, Inc.

811 N. Main St.
Bellefontaine, OH 43311
USA
Attention: Mike Holland

The products listed below are eligible to bear the CSA Mark shown



Issued by: Charles Law, P.Eng.

Authorized by: Nick Alfano, Operations Manager

PRODUCTS

CLASS 4651 01 - SWITCHES - Enclosed

Double Throw Switches, 30, 60, 100, and 200 A, Type DT, followed by F or NF, followed by C, followed by 1, 2 or 3, followed by 1, 2 or 6, followed by 1, 2, 3 or 4, may be followed by R or blank

RATINGS: 240,480,600Vac, 250Vdc

The heavy duty switches, designated Type DTC, are rated 600 V ac and 600 V dc.

SHORT CIRCUIT RATINGS & HORSEPOWER RATINGS, REFER TO CERTIFICATION REPORT

APPLICABLE REQUIREMENTS



CSA INTERNATIONAL

Certificate: 1536080 (LL24563)

Master Contract: 154852

Project: 1613029

Date Issued: 2005/01/21

CAN/CSA-C22.2 No 4 - Enclosed Switches

CAN/CSA-C22.2 No 94 - Special Purpose Enclosures

CAN/CSA C22.2 No 0.12 - Wiring space and wire bending space for enclosures

CAN/CSA-C22.2 No 0.4 - Bonding and Grounding of Electrical Equipment



Descriptive and Test Report

MASTER CONTRACT: 154852 (LL 2456)
REPORT: 153608
PROJECT 161302

Edition 1: July 27, 2004; Project 1536080 - Toronto
 Issued by C. Law, P. Eng.

Edition 2: January 21, 2005; Project 1613029 - Toronto
 Issued by C. Law, P. Eng.

Report Pages Re-issued

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 Supplement to Certificate of Compliance - Page 1
 Description and Tests - Pages 1 to 35
 Attachments – Illustration 1 to 5
 Appendix A (Test report, CSA main file only)

PRODUCTS

CLASS 4651 01 - SWITCHES – Enclosed

Double Throw Switches, 30, 60, 100, and 200 A, Type DT, followed by F or NF, followed by C, followed by 1, 2 or 3, followed by 1, 2 or 6, followed by 1, 2, 3 or 4, may be followed by R or blank

RATINGS: 240,480,600Vac, 250Vdc

The heavy duty switches, designated Type DT, are rated 600 V ac and 600 V dc.

SHORT CIRCUIT RATINGS & HORSEPOWER RATINGS AS FOLLOWINGS:

Switch Type Designation	Maximum Interrupting Capacity Per Fuse Class, kA				
	J	R	T	H	K
DT	200	200	200	10	10

DC rated switches have a maximum short circuit rating of 10kA

The test report shall not be reproduced, except in full, without the approval of CSA International.

178 Rexdale Boulevard, Toronto, ON, Canada M9W 1R3

Telephone: 416.747.4000 1.800.463.6727 Fax: 416.747.4149 www.csa-international.org

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Horsepower Ratings: Refer to Tables below:

30 AMP HORSEPOWER TABLE

Cat. No.	Volts	Amps	240 V ac 1 Phase	240 V ac 3 Phase	480 V ac 1 Phase	480 V ac 3 Phase	600 V ac 1 Phase	600 V ac 3 Phase	125 V dc	250 V dc	600 V dc
DTNFC221	240	30	5	10					2	5	
DTFC321	240	30	3	7-1/2					2	5	
DTNFC321	240	30	5	10					2	5	
DTFC361	600	30	3	7-1/2	7-1/2	15	10	20	2	5	
DTNFC361	600	30	5	10	10	20	15	30	2	5	
DTNFC361R	600	30	5	10	10	20	15	30	2	5	

60 AMP HORSEPOWER TABLE

Cat. No.	Volts	Amps	240 V ac 1 Phase	240 V ac 3 Phase	480 V ac 1 Phase	480 V ac 3 Phase	600 V ac 1 Phase	600 V ac 3 Phase	125 V dc	250 V dc	600 V dc
DTNFC222	240	60	10	20					5	10	
DTFC322	240	60	10	15					5	10	
DTNFC322	240	60	10	20					5	10	
DTFC362	600	60	10	15	20	30	25	50	5	10	
DTNFC362	600	60	10	20	25	40	30	60	5	10	
DTNFC362R	600	60	10	20	25	40	30	60	5	10	

100 AMP HORSEPOWER TABLE

Cat. No.	Volts	Amps	240 V ac 1 Phase	240 V ac 3 Phase	480 V ac 1 Phase	480 V ac 3 Phase	600 V ac 1 Phase	600 V ac 3 Phase	125 V dc	250 V dc	600 V dc
DTNFC223	240	100	15	40						20	
DTFC323	240	100	15	30						20	
DTNFC323	240	100	15	40						20	
DTFC363	600	100	15	30	30	60	40	75		20	
DTNFC363	600	100	20	40	40	75	50	100		20	
DTNFC323R	240	100	15	40						20	
DTNFC363R	600	100	20	40	40	75	50	100		20	

200 AMP HORSEPOWER TABLE

Cat. No.	Volts	Amps	240 Vac 1 Phase	240 Vac 3 Phase	480 Vac 1 Phase	480 Vac 3 Phase	600 Vac 1 Phase	600 Vac 3 Phase	125 Vdc	250 Vdc	600 Vdc
DTNFC224	240	200	15	60						40	
DTFC324	240	200	15	60						40	
DTNFC324	240	200	15	60						40	
DTFC364	600	200	15	60	50	125	50	150		40	50
DTNFC364	600	200	15	60	50	125	50	150		40	50
DTNFC224R	240	200	15	60						40	
DTNFC324R	240	200	15	60						40	
DTNFC364R	600	200	15	60	50	125	50	150		40	50

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CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1556275

Master Contract: 154852

Project: 1556275

Date Issued: 2005/01/11

Issued to: Siemens Energy & Automation, Inc.

811 N. Main St.
Bellefontaine, OH 43311
USA
Attention: Mike Holland

The products listed below are eligible to bear the CSA Mark shown



Issued by: Charles Law, P.Eng.

Authorized by: Nick Alfano, Operations Manager

PRODUCTS

CLASS 4651 01 - SWITCHES - Enclosed

Double Throw Switches, 400 and 600 A, Type DT, followed by F or NF, followed by C, followed by 1, 2 or 3, followed by 1, 2 or 6, followed by 5 or 6 may be followed by R or blank

RATINGS: 240, 600Vac and 250Vdc

SHORT CIRCUIT RATINGS & HORSEPOWER RATINGS, REFER TO CERTIFICATION REPORT

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 4 - Enclosed Switches



Certificate: 1556275

Master Contract: 154852

Project: 1556275

Date Issued: 2005/01/11

CAN/CSA-C22.2 No 94 - Special Purpose Enclosures

CAN/CSA C22.2 No 0.12 - Wiring space and wire bending space for enclosures

CAN/CSA-C22.2 No 0.4 - Bonding and Grounding of Electrical Equipment



Descriptive and Test Report

MASTER CONTRACT: 154852 (LL 24563)

REPORT: 155627

PROJECT: 155627

Edition 1: January 11, 2005; Project 1556275 - Toronto
Issued by C. Law, P. Eng.

Contents: Certificate of Compliance - Page 1
Supplement to Certificate of Compliance - Page 1
Description and Tests - Pages 1 to 28
Attachments – Appendix A (Test report, CSA main file only)

PRODUCTS

CLASS 4651 01 - SWITCHES – Enclosed

Double Throw Switches, 400 and 600 A, Type DT, followed by F or NF, followed by C, followed by 2 or 3, followed by 2 or 6, followed by 5 or 6 may be followed by R or blank

RATINGS: 240, 600Vac and 250Vdc

SHORT CIRCUIT RATINGS & HORSEPOWER RATINGS AS FOLLOWINGS:

Switch Type Designation	Maximum Interrupting Capacity Per Fuse Class, kA				
	J	R	T	H	K
DT	200	200	200	10	10

DC rated switches have a maximum short circuit rating of 10kA

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Horsepower Ratings: Refer to Tables below:

400 AMP HORSEPOWER TABLE

Cat. No.	Volts	Amps	240 V ac 1 Phase	240 V ac 3 Phase	480 V ac 1 Phase	480 V ac 3 Phase	600 V ac 1 Phase	600 V ac 3 Phase	125 V dc	250 V dc	600 V dc
DTNFC225	240	400	50	125						50	
DTNFC225R	240	400	50	125						50	
DTNFC325	240	400	50	125						50	
DTNFC365	600	400	50	125	50	250	50	350		50	
DTNFC365R	600	400	50	125	50	250	50	350		50	

600 AMP HORSEPOWER TABLE

Cat. No.	Volts	Amps	240 V ac 1 Phase	240 V ac 3 Phase	480 V ac 1 Phase	480 V ac 3 Phase	600 V ac 1 Phase	600 V ac 3 Phase	125 V dc	250 V dc	600 V dc
DTNFC326	240	600	50	200						50	
DTNFC366	600	600	50	200	50	400	50	500		50	
DTNCF366	600	600	50	200	50	400	50	500		50	