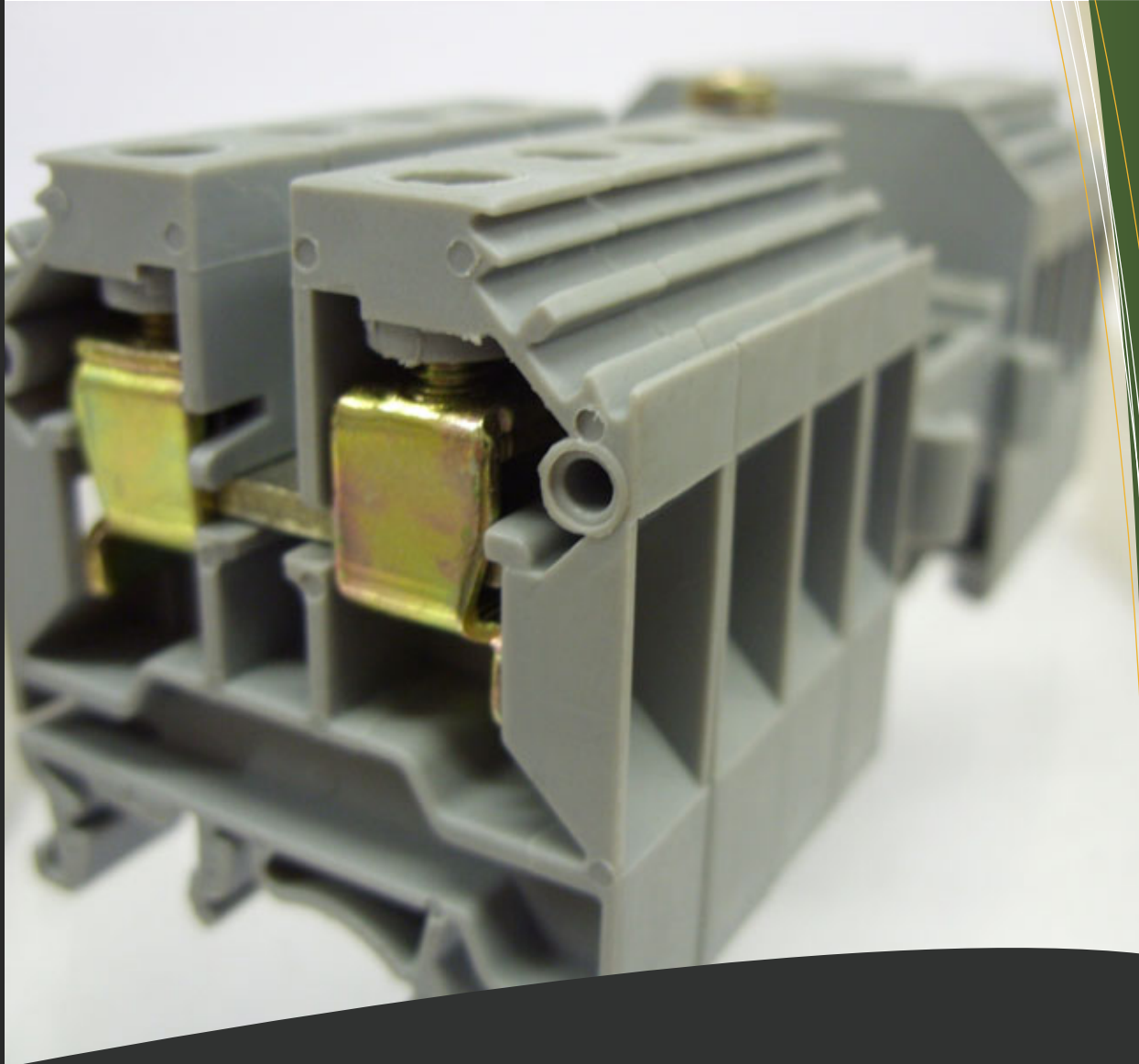




VWE Terminal Range Certification

The following documentation is contained within:

Index	Page
Introduction	1
VDE Certificate of Conformity with Factory Surveillance	2
EC Declaration of Conformity (CE Marking)	3-4
CSA International Certificate of Compliance	5-13



Distribution Boards, Wall Mount and Floor Standing Panels, Stainless Steel Enclosures, Control Desks and other stock items. Certified Busbar Systems for low voltage Distribution Boards, as well as the complete wiring of panels.

VWE Terminal Range

The attached documentation states that the range of Terminals sold by VWE conforms to the SABS SANS 10142-1:2009. The following code carries an international equivalency to SABS standards.

EN 60998-2-1 : IEC 60998-2-1:2002

Additionally our terminals pass the LVD 2006/95/EC of 12 December 2006 from Europe. Aswell as the CAN/CSA-C22.2.No 0-M91, CSA C22.2 No. 158 - 1987 (Reaffirmed 1999), and UL Standard 1059 - 4th Edition from Canada and the U.S.A.

Table 4.2 (continued)

1	2	3	4
Commodity	Scope	Safety standard ^b	Recommended performance standard ^b
Conduit	Conduit and fittings: rigid pliable flexible PVC rigid conduit and fittings: 20 mm to 63 mm dia. Metal conduit: 20 mm to 50 mm dia. Metal fittings		SANS 61386-1 SANS 61386-21 SANS 61386-22 SANS 61386-23 SANS 950 SANS 1065-1 ^d SANS 1065-2 ^d
Connectors (terminals)	Terminal blocks: - clamping: $\leq 300 \text{ mm}^2$ - screw type: $\leq 35 \text{ mm}^2$ Flat push-on: - $0,75 \text{ mm}^2$ to 10 mm^2 - $\leq 300 \text{ }^\circ\text{C}$		SANS 1433-1 IEC 60998-2-1 IEC 60998-2-2 SANS 1433-2
Contactors, motor starters and overload relays	All	SANS 60947-4-1 SANS 60947-4-2 SANS 60947-4-3 UL 508	
Disconnectors (non-trip)	$\leq 1\,000 \text{ V a.c. or } 1\,500 \text{ V d.c.}$	SANS 60947-3	

Amdt 1; amdt 3; amdt 4; amdt 5

61(b)

SANS 10142-1:2006
Edition 1.5

VDE Prüf- und Zertifizierungsinstitut

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE

Crompton Greaves Ltd.
International Division
"Jagruti" 2nd Floor
Kanjumarg (East)
400042 MUMBAI
INDIA

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Verbindungsmaterial, Klemme mit Schraubklemmstelle
Connecting device, terminal with screw-type clamping unit

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



REG.-Nr. C976 oder/oder



oder/oder VDE-REG.-Nr. C976

REG.-Nr. C976

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60998-1 (VDE 0613 Teil 1):2005-03; EN 60998-1:2004
DIN EN 60998-2-1 (VDE 0613 Teil 2-1):2005-03; EN 60998-2-1:2004



VDE Prüf- und Zertifizierungsinstitut GmbH
Testing and Certification Institute
Zertifizierungsstelle / Certification

Dr. Schipper

Aktenzeichen: 1949300-1441-0010 / 107381

File ref.:

Ausweis-Nr. 40026277

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeseiten /
further conditions see overleaf and following pages.

Offenbach, 2009-01-08

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>

VDE



Crompton Greaves Limited
International Business

Jagruti, 2nd Floor, Kanjur Marg (East), Mumbai 400 042, India
T: +91 22 6755 8955 F: +91 22 2577 4066



Smart solutions.
Strong relationships.

Page 1 of 1

TERMIANL BLOCKS

FEED THROUGH TERMIANL BLOCKS:

IEC/EN Standard: EN 60947-7-1 Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment – Terminal blocks for copper conductors

Catalogue Nos.:

SCRW2.5U, SCRW4U, SCRW6U, SCRW10U, SCRW16U, SCRW25U, SCRW35U, SCRW50U, SCRW95U

SCRW2.5UCR, SCRW4UCR, SCRW6UCR, SCRW10UCR, SCRW16UCR, SCRW25UCR, SCRW35UCR,

CAGE2.5, CAGE4, CAGE6, CAGE2.5 1-2, CAGE2.5 2-2, CAGE4 1-2, CAGE4 2-2, CAGE6 1-2, CAGE6 2-2, CAGEP2.5

SCRW4U 1-2, SCRW4U 2-2, M4, M4S,

DBL4U, DBL4U(IS), DBLOFF4U, TL2.5U, TL2.5UH, TL2.5UHL

P4, CAGEP2.5, CAGEP2.5 2-2

GN4, GN16, GN35

DISBL4, DISBL6, DISBL10,

KN4U, DISCT6U,

DBL4U with Electronic components – suffixes D,E,L,O

PCBM5H, PCBM5A, PCBM5BV

GROUNDING (EARTH) TERMIANL BLOCKS:

IEC/EN Standard: Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors

Catalogue Nos.: G4, G10, G35, GM4, C'AGEG2.5, C'AGEG4, C'AGEG6

Registered Office:
CG House, 6th Floor, Dr Annie Besant Road, Worli, Mumbai 400 030, India
T: +91 22 2423 7777 F: +91 22 2423 7733 W: www.cgglobal.com



AVANTHA
GROUP COMPANY



**Crompton Greaves Limited
International Business**

Jagruti, 2nd Floor, Kanjur Marg (East), Mumbai 400 042, India
T: +91 22 6755 8955 F: +91 22 2577 4066



Smart solutions.
Strong relationships.

EC Declaration of Conformity

Date: January 2, 2009

We, Crompton greaves Ltd.,
International Division,
Jagruti (2nd Floor)
Kanjur Marg (E) Mumbai-400 042, India

herewith declare that the Product Terminal Blocks (For complete Catalogue numbers refer the attached list) Brand Name: CG connectech

are in conformity with the provisions of the following EC Directive

Low voltage Directive LVD 2006/95/EC of 12 December 2006

and the standards referenced below have been applied:

EN 60947-7-1	Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors
EN 60947-7-2	Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors

Year of CE Marking 2007

Signature & Date


Nitin Thorat
Crompton Greaves

Registered Office:
CG House, 6th Floor, Dr Annie Besant Road, Worli, Mumbai 400 030, India
T: +91 22 2423 7777 F: +91 22 2423 7733 W: www.cgglobal.com



AVANTHA
GROUP COMPANY



File No:105695_0_000

SUBMITTOR

CG International
A Div. of Crompton Greaves Limited
Jagruti, 2nd Fl.,
Kanjur Marg (East)
Mumbai 400 042
India

Date: April 2, 2008
Replaces: November 7, 2005
Main File: Vancouver
Master Contract No: 186817

Attention: Mr. Jaideep Patil

jaideep.patil@cgl.co.in

FACTORY	INSPECTION OFFICE	FACTORY CONTRACT (FILE NO)
4570002		
F1 Connectwell Industries (Pvt) Ltd. D-14, Phase II, MIDC Dombivli 421 204 India	Deleted September 28, 2004	186824 (LR 105695)
4568403		
F2 Salzer Electronics Ltd. Chinnamaddampalayam Coimbatore India	CSA, India	186819 (LR 105695)
REPORT NO-APPL/PROJ NO	FACTORY NO	SUBJECT
-1	F2	"NRTL/C" July 4, 1995 - Terminal blocks Series/Cat Nos CDL, CH, CMT, CTS.
-2		June 12, 1996 - Update to Report LR 105695-1 to include Terminal blocks, Cat Nos CPT(M), CGT4U, CSFL4U, CSFL-4UL and CSDL-4U.
-	-	August 7, 1996 - Submitter name and address correction as per Agreement.
-3		April 11, 1997 - Update to Report LR 105695-1 to include alternate construction.
-4	F2	March 17, 1998 - Terminal blocks, Models CDB10, CENC16, CENC35, CRT4U and CDTTU (NRTL/C).
-7	F2	April 17, 1999 - Terminal Blocks, Models CGT 10U, CGT 35 U, CTS 2.5 U-N, CTS 4 U-N, DDPT, CENC 4, CDB 6, CPT-7.5, CPT-5, DDFL-4U, DDFL-4U(E), DDFL-4U (E) LR (NRTL/C).
-8		April 17, 1999 - Supplementary Certification to include alternative plastic material for the body of terminal blocks in Report LR 105695-1.
1181010 Ed. 1	F2	October 3, 2000 - Terminal Blocks, Cat Nos ODL 4 U, CMC 1-2, CMC 2-2, CDB 4, CMT 4SU, CMB 4 (NRTL/C).

1227086 Ed. 1	F2	July 19, 2001 - Terminal Blocks. Cat Nos CSC2.5T, CSC4T, CSC6T. (C/US)
1520363 Ed. 1	F2	March 25, 2004 - Addition of factory (Salzer Electronics Ltd., Chinnamaddampalayam, Coimbatore, India) and alternative model numbers for previously certified terminal blocks. (C/US)
		September 26, 2004 - CSC- deleted F1
1624613 Ed. 1	F2	April 18, 2005 - Terminal Blocks. Cat. No. SCRW16U, SCRW35U, G35 and GN16. (C/US)
1730408 Ed. 1		November 7, 2005 - Multiple Listing Report for CG International / c3Controls, Control Concepts Corporation, Models LB116, LB120, LB225, LB232, LB240, LB263, LB4080, LB4100, LB4125, TP16, S16, RT16, S6, TP6, S10, TP10, S25, RT25, S32, RT32, S40, RT40, S63, RT63, S80, S100, S125, S200, DISCTL4U, KN4U, DBL4U, DBL4U(I.S), F4U(L), SCRW2.5U, SCRW4U, SCRW6U, SCRW10U, SCRW16U, SCRW25U, SCRW35U, G4, G10, G35, CAGE2.5, CAGE4, CAGE6, SCRW4U 1-2, CRW4U 2-2, P4, M4, M4S, DBLOFF4U, DISCT6U, FDBL4U, FDBL4UE, FDBL4UE(LR), DISBL4, DISBL6, DISBL10, GN4, GN16, GN35, M4SU / DS2-16, DS2-20, DS2-25, DS2-30, DS2-40, DS2-60, DS2-80, DS2-100, DS2-125, G16, U16, G16, U6, G6, U10, G10, U25, G25, U32, G32, U40, G40, U63, G63, U80, U100, U125, U200, WTB2-FB52DB, WTB2-DB1, WTB2-W4DD, WTB2-W4DDDB, WTB2-FB52L, WTB2-W2, WTB2-W4, WTB2-W6, WTB2-W10, WTB2-W16, WTB2-W25, WTB2-W35, WTB2-W2/4G, WTB2-W6/10G, WTB2-W16/35G, WTB2S-W2, WTB2S-W4, WTB2S-W6, WTB2-W4-12, WTB2-W4-22, WTB2-W4-4, WTB2-W44, WTB2-W4MS, WTB2-W4DDOFF, WTB2-DB2, WTB2-FB52DD, WTB2-FB52DDDB, WTB2-FB52DDL, WTB2-W4D, WTB2-W6D, WTB2-W10D, WTB2-W4GN, WTB2-W16GN, WTB2-W35GN, WTB2-W4MS2. (C/US) (Refer also to LR 107484 for certain submittor's models) (Alternate File 232541, Form B)
1733202		April 2, 2008 - File Review project to evaluate compliance to wiring devices certification notice No. N05-076 (Wiring Devices No.40). Follow up Action Required per review.

/ey



Certificate of Compliance

Certificate: 1624613 (LR 105695)

Master Contract: 186817

Project: 1624613

Date Issued: April 18, 2005

Issued to: CG International
A Div. of Crompton Greaves Limited
Jagruti, 2nd Floor
Kanjur Marg (E)
Mumbai 400042
INDIA

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: Brij P. Aggarwal, P. Eng.

Authorized by: Terry Nagy
Operations Manager

PRODUCTS

CLASS 6228 01 - WIRE CONNECTING DEVICES - Terminal Assemblies

CLASS 6228 81 - WIRE CONNECTING DEVICES - Terminal Assemblies - Certified to U.S. Standards

Terminal Blocks with screw clamp connections for use with insulated, stranded copper conductors:

SL. No.	Cat No	Factory Wiring		Field Wiring		Torque N-m (lb-in)	Voltage V
		Wire Size AWG	Current A	Wire Size AWG	Current A		
1	SCRW16U	20 - 4	85	20 - 4	85	1.6 (14)	600
2	SCRW35U	8 - 2	145	8 - 2	115	2.8 (25)	600
3	G35	8 - 2	145	8 - 2	115	2.8 (25)	N/A
4	GN16	10 - 6	76	10 - 6	65	1.98 (17.5)	N/A

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

DOD 507 Rev. 2004-06-30



Certificate: 1624613

Master Contract: 186817

Notes:

1. These terminal blocks are supplied only to manufacturers, as components, for the assembly of Certified Electrical equipment, where the suitability of the combination is determined by CSA International.
2. When used in application 'D' for industrial control equipment, the current is limited to 15 A at 51-150V, 10 A at 151-300 V and 5 A at 301-600V.
3. Models G35 for Grounding purpose and Model GN16 for Neutral terminal, therefore they do not have Voltage and group ratings.
4. All the above terminals are for rail mount except the Model GN16 is Bus bar mounting type.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2.No 0-M91	- General Requirements – Canadian Electrical Code, Part II
CSA C22.2 No.158 – 1987 (Reaffirmed 1999)	- Terminal Blocks
UL Standard 1059 – 4 th Edition	- Terminal Blocks



Supplement to Certificate of Compliance

Certificate: 1624613 (LR105695)

Master Contract: 186817

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1624613	April 18, 2005	Original Certification. (C/US)

DQD 507 Rev. 2004-06-30





Certificate of Compliance

Certificate: 1520363

Master Contract: 186817 (LR 105695)

Project: 1520363

Date Issued: March 25, 2004

Issued to: CG International
A Div. of Crompton Greaves Limited
Jagruti, 2nd Fl.
Kanjur Marg (E.)
Mumbai 400042
INDIA
Attention: Mr. Rohit Dalvi

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: Brij P. Aggarwal, P. Eng.

Authorized by: Terry Nagy
Operations Manager

PRODUCTS

CLASS 6228 01 - WIRE CONNECTING DEVICES - Terminal Assemblies

CLASS 6228 81 - WIRE CONNECTING DEVICES - Terminal Assemblies - Certified to U.S. Standards

Terminal blocks, rail mount, for use with insulated, stranded copper conductors:

Cat No	Amps	Volts	Spacings		Wire Range (AWG)	Assigned Torque NM (lb-in)
			Groups for CSA Std. C22.2 No 158	Groups for UL Std 1059		
CAGE2.5	20	600	B, C, D, E	B, C, D	22-14	N/A ²
CAGE4	25	600	B, C, D, E	B, C, D	22-12	N/A ²
CAGE6	50	600	B, C, D, E	B, C, D	22-8	N/A ²
DBLOFF4U	25	600	D, E	D	22-12	0.8 (7)
SCRW4U1-2	25	600	D, E	D	22-12	0.8 (7)
SCRW4U2-2	25	600	D, E	D	22-12	0.8 (7)
DISBL4	50	600	B, C, D, E	B, C, D	10-8	2.9 (26)
M4SU						

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

DOD 507 Rev. 2003-12-31



Certificate: 1520363

Master Contract: 186817 (LR 105695)

Project: 1520363

Date: March 25, 2004

	15	300	B, D, E	B, D	22-14	Solder terminal
P4	25	300	B, D, E	B, D	22-12	0.8 (7)
G10	65	N/A	N/A	N/A	8-16	1.6
G35	145	N/A	N/A	N/A	3-8	2.9
SCRW2.5U	20	600	B, C, D, E	B, C, D	14-22	0.8
SCRW4U	25	600s	B, C, D, E	B, C, D	12-22	0.8
PCBDBL11	25	300	B, D, E	B, D	12-22	0.8
GN4	25	See Notes			12-22	1.6
DISBL6	95	600	B, C, D, E	B, C, D	6-10	2.9
PCB7.5	18	300	B, D, E	B, D	14-22	0.8
PCB5	18	300	B, D, E	B, D	12-22	0.8
FDBL4U	25/6.3*	600	B, C, D, E	B, C, D	12-22	0.8
FDBL4UE	25/6.3*	600	B, C, D, E	B, C, D	12-22	0.8
FDBL4UE(LR)	25/6.3*	600	B, C, D, E	B, C, D	12-22	0.8
DISBL10	125	600	B, C, D, E	B, C, D	2-7	16.9
GN16	76	See Notes			6-9	1.6
GN35	125	See Notes			2-7	2.9
KN4U	16	600	B, C, D, E	B, C, D	12-22	0.8
DISCT6U	41	600	D, E	D	8-16	1.6
DBL4U	25	300 or 600	B, D, E	B, D	12-22	0.7 (6)
DBL4UO	25	600	B, D, E	B, D	12-22	0.8 (7)
DBL4UEL	25	600	B, D, E	B, D	12-22	0.8 (7)
DBL4UEDD	25	600	B, D, E	B, D	12-22	0.8 (7)
DBL4U	25	600	B, D, E	B, D	12-22	0.8 (7)
DBL4U(IS)	25	600	B, D, E	B, D	12-22	0.8 (7)
M4	25	300 or 600	B, D, E	B, D	12-22	0.7 (6)
M4S	25	300 or 600	B, D, E	B, D	12-22	0.8 (7)
G4	25	600	B, D, E	B, D	12-22	0.8 (7)
SCRW6U	50	600	B, C, D, E	B, C, D	8-22	1.0 (1)
SCRW10U	65	600	B, C, D, E	B, C, D	7-15	1.6 (14)
SCRW25U	115	600	B, C, D, E	B, C, D	3-9	1.6 (14)
SCRW35U	145	600	B, C, D, E	B, C, D	2-7	2.8 (25)
F4U	6.3	600	B, C, D, E	B, C, D	12-22	0.8 (7)
F4UL	6.3	600	B, C, D, E	B, C, D	12-22	0.8 (7)
DISCTL4U	6.3	600	B, C, D, E	B, C, D	12-22	0.8 (7)
PCBM5	16	300	B, D, E	B, D	14-22	0.8 (7)

Certificate: 1520363

Master Contract: 186817 (LR 105695)

Project: 1520363

Date: March 25, 2004

Notes:

1. These terminal blocks are supplied only to manufacturers, as components, for the assembly of Certified electrical equipment where the suitability of the combination is determined by CSA International.
2. These terminal blocks are with spring force connection.
3. *Rating is applicable only for fused circuit.
4. When used in application 'D', the current is limited to 15 A at 51-150 V, 10 A at 151-300 V and 5 A at 301-600 V.
5. Models G10 and G35 are for grounding purpose only therefore no voltage or group rating are given.
6. All of the above terminals are for rail mount except the models PCB5, PCB7.5 and PCBDBL11 are Printed Wiring Board type.
7. Cat No DISBL6 and DISBL10 are input/output distribution blocks. They are available in three types (2, 3 and 4 way). The input terminals are rated 95A and 125 A and output terminals are same, certified models SCRW6U and SCRW10U respectively.
8. GN4, GN16 and GN35 are neutral terminals therefore they do not have voltage and group ratings.
9. Terminal Block Cat No DISCT6U may also be classified as group, B and C for 300 V.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 0-M91	-	General Requirements - Canadian Electrical Code, Part II
No 158-1987	-	Terminal Blocks
UL Standard 1059-4th Ed.	-	Terminal Blocks



Supplement to Certificate of Compliance

Certificate: 1520363

Master Contract: 186817 (LR 105695)

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1520363	March 25, 2004	Original Certification.

DOD 507 Rev. 2003-12-31

