



Certificate of Compliance

Certificate: 70041177

Master Contract: 161378

Project: 80024380

Date Issued: 2019-12-19

Issued To: Tyco Electronics France S.A.S.
Activite Raccordement
3 Rue Jean Perrin
Chassieu, ., 69680
France

Attention: Laurence Pionchon

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

Issued by: *Khalil Ouldchama*
Khalil Ouldchama, Eng.



PRODUCTS

CLASS - C622801 - WIRE CONNECTING DEVICES Terminal Assemblies

Models DBL80, DBL125, DBL125-3, DBL160, DBL175, DBL175-C, DBL175-C-3, DBL250, DBL400, DBL250-F, DBL400-PV, DBL500-22 and DBL500-F followed by BL, OR, YL, GN, RD, PR, BR, WH, BK or blank.

Electrical Ratings:

Model	Wire Range AWG/kcmil	Wire Type, Cu ⁽¹⁾	Torque (N·m)	Current (A)	Voltage (V)	Group Designation ⁽⁵⁾
DBL80	Input: 14-4AWG	SOL/STR	1.5-2	80	600; 1000	B, C; E
	Output 1: 2 terminals x (14-4AWG)		1.5-2			
	Output 2: 4 terminals x (14-0AWG)		0.8-1.2			



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Model (continued)	Wire Range AWG/kcmil	Wire Type, Cu ⁽¹⁾	Torque (N·m)	Current (A)	Voltage (V)	Group Designation ⁽⁵⁾
DBL125	Input 1: 8-2AWG	SOL/STR	3.5-5	115	600; 1000	B, C; E
	Input 2: 10-6AWG		2-3			
	Output: 6 terminals x(14-6AWG)		2-3			
DBL125-3	Input 1: 8-2AWG	SOL/STR	3.5-5	115	600; 1000	B, C; E
	Input 2: 10-6AWG		2-3			
	Output: 6 terminals x(6-14AWG)		2-3			
DBL160	Input 1: 6-2/0AWG	SOL/STR	6-10	160	600; 1000	B, C; E
	Input 2: 10-6AWG		2-3			
	Output: 6 terminals x(14-6AWG)		2-3			
DBL175	Input: 2 terminals x(6-2/0AWG)	STR	6-10	175/350	600; 1000	B, C; E
	Output: 10 terminals x(14-6AWG)	SOL/STR	2-3			
DBL175-C, DBL175-C-3	Input 1: 6-2/0AWG	SOL/STR	6-10	175	600; 1000	B, C; E
	Input 2: 10-6AWG		2-3			
	Output: 6 terminals x(6-14AWG)		2-3			
DBL250	Input: 2AWG-250kcmil	STR	19-21	255	600; 1000	B, C, E
	Output 1: 2 terminals x(14-2AWG)	SOL/STR	3.5-5			
	Output 2: 5 terminals x(14-6AWG)		2-3			
	Output 3: 4 terminals x(14-8AWG)		2-3			
DBL400	Input: 3/0AWG-400kcmil	STR	25	335	600; 1000	B, C; E
	Output 1: 2 terminals x(14-2AWG)	SOL/STR	3.5-5			



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Model (continued)	Wire Range AWG/kcmil	Wire Type, Cu ⁽¹⁾	Torque (N·m)	Current (A)	Voltage (V)	Group Designation ⁽⁵⁾
	Output 2: 5 terminals x(14-6AWG)		2-3			
	Output 3: 4 terminals x(14-8AWG)		2-3			
DBL250-F	Input: Bus Bar or Flexible Bar: from (3x9.0 x0.8) mm up to (6x15.5x0.8) mm and rigid, copper bus bar, size: (12.0 x4.0) mm	SOL/STR	13.5	250	600; 1000	B, C; E
	Output: 6 terminals x(14-6AWG) ⁽²⁾		2-3			
DBL400-PV	Input: 2 terminals x(4AWG-250kcmil)	SOL/STR	19-21	255/400 ⁽³⁾	600; 1000	B, C; E
	2 terminals x(8-6AWG)		10			
	Output: 12 terminals x(14-6AWG)		2-3			
DBL500-22	Input: 2 terminals x(4AWG-250kcmil)	SOL/STR	19-21	255/510 ⁽⁴⁾	600; 1000	B, C; E
	2 terminals x(8-6AWG)		10			
	Output: 2 terminals x(4AWG-250kcmil)		19-21			
	2 terminals x(8-6AWG)		10			
DBL500-F	Input ⁽⁶⁾ : Bus Bar terminals for solid ranging from 12 by 4 mm up to 2 by 25 by 5 mm (2 bus bars, dimension 25 by 5 mm); Or Flexible Terminals Bar for flexible ranging from 4 by 15.5 by 0.8 mm (1 piece	SOL/STR	13.5	420	600; 1000	B, C; E



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Model (continued)	Wire Range AWG/kcmil	Wire Type, Cu ⁽¹⁾	Torque (N·m)	Current (A)	Voltage (V)	Group Designation ⁽⁵⁾
	included 4 layers 15.5 by 0.8 mm up to (10 by 24 by 1 mm (1 piece included 10 layers 24 by 1 mm).					
	Output 1: 2 terminals x (14-2AWG)		3.5-5			
	Output 2: 5 terminals x (14-6AWG)		2-3			
	Output 3: 4 terminals x (14-8AWG)		2-3			

Notes:

⁽¹⁾: Maximum SOL wire is 10AWG.

⁽²⁾: The line side of the Cat. No. DBL250F is approved for Factory wiring only, the load side is for Field and Factory wiring.

⁽³⁾: Maximum current with one wire 250kcmil at the input side is 255A, and maximum current with two wires 250kcmil at the input side is 400A.

⁽⁴⁾: Maximum current with one wire 250kcmil at the input side is 255A, and maximum current with two wires 250kcmil at the input side is 510A.

⁽⁵⁾: Spacing specified for group designation, as per Table 1 of CSA-C22.2 No. 158.

⁽⁶⁾: The input side of the terminal block, Cat. No. DBL500-F is suitable for connection with flexible and solid copper bus bar, dimensions: for flexible ranging from 4 by 15.5 by 0.8 mm (1 piece included 4 layers 15.5 by 0.8 mm up to 10 by 24 by 1 mm (1 piece included 10 layers 24 by 1 mm; and for solid ranging from 12 by 4 mm up to 2 by 25 by 5 mm (1 piece included 2 layers 25 by 5 mm).

Short Circuit Current Ratings:

The terminal blocks tabulated below have optional single-phase short circuit current ratings. The Terminal Blocks must be protected by the max ampere and Class of overcurrent protective device noted below.



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Model	Wire Range kcmil/AWG Line, Load	Overcurrent Protection Fuse Required Class/Max Amp Rating						Torque (Nm)	SCCR, RMS Sym A (single phase only)	Vac Max
		RK1	RK5	J	T	G	CC			
DBL80	Input: 14-4AWG	100	30	110	175	60	30	1.5-2	100,000	600
	Output 1: 2 terminals x(14- 4AWG)							1.5-2		
	Output 2: 4 terminals x(14- 10AWG)							0.8-1.2		
DBL125	Input 1: 8-2AWG	200	100	250	300	60	30	3.5-5	100,000	600
	Input 2: 10-6AWG							2-3		
	Output: 6 terminals x(14- 6AWG)							2-3		
DBL160 DBL175-C	Input 1: 8-2/0AWG	200	100	250	300	60	30	6-10	100,000	600
	Input 2: 10-6AWG							2-3		
	Output: 6 terminals x(14- 6AWG)							2-3		
DBL175	Input: 2x(6-2/0AWG)	400	200	600	450	60	30	6-10	100,000	600
	Output: 10 terminals (10- 6AWG)							2-3		
DBL250	Input: 2AWG-250kcmil	400	200	600	450	60	30	19-21	100,000	600
	Output 1: 2 terminals x(10- 2AWG)							3.5-5		
	Output 2: 5 terminals (10- 6AWG)							2-3		
	Output 3: 4 terminals x(10- 8AWG)							2-3		



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Model (Continued)	Wire Range kcmil/AWG Line, Load	Overcurrent Protection Fuse Required Class/Max Amp Rating						Torque (Nm)	SCCR, RMS Sym A (single phase only)	Vac Max
		RK1	RK5	J	T	G	CC			
DBL400	Input: 3/0AWG- 400kcmil	400	200	600	450	60	30	25	100,000	600
	Output 1: 2 terminals x(14- 2AWG)							3.5-5		
	Output 2: 5 terminals x(14- 6AWG)							2-3		
	Output 3: 4 terminals x(14- 8AWG)							2-3		
DBL250-F	Input: Bus Bar or Flexible Bar	600	200	600	800	60	30	13.5	100,000	600
	Output: 6 terminals x (12-6) AWG							2-3		
DBL400-PV	Input: 2 terminals x(6AWG- 250kcmil)	400	200	600	700	60	30	19-21 10	100,000	600
	Output: 12 terminals x (12-6) AWG							2-3		
DBL500-22	Input: 2 terminals x (6AWG- 250kcmil)	400	200	600	700	60	30	19-21 10	100,000	600
	Output: 2 terminals x(6AWG- 250kcmil)							19-21 10		



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Model (Continued)	Wire Range kcmil/AWG Line, Load	Overcurrent Protection Fuse Required Class/Max Amp Rating						Torque (Nm)	SCCR, RMS Sym A (single phase only)	Vac Max
		RK1	RK5	J	T	G	CC			
DBL500-F	Input: Bus Bar or Flexible Bar terminals	400	200	600	700	60	30	13.5	100,000	600
	Output 1: 2 terminals x(14- 2AWG)							3.5-5		
	Output 2: 5 terminals x(14- 6AWG)							2-3		
	Output 3: 4 terminals x(14- 8AWG)							2-3		

For SCCR ratings, enclosure size employed for tests is 80 x 130 x 100 mm for models DBL80, DBL125, DBL160, DBL175, DBL250, DBL250-F and enclosure size employed for tests is 80 x 160 x 85 mm for model DBL400, DBL400-PV, DBL500-F and DBL500-22.

The input side of the terminal block, Cat. No. DBL500-F is suitable for connection with flexible and solid copper bus bar, dimensions: for flexible ranging from 4 by 15.5 by 0.8 mm up to 10 by 24 by 1.0 mm; and for solid ranging from 12 by 4 mm up to 2 by 25 by 5 mm.

Notes:

1. The terminal blocks are certified as components for use in certified equipment where the acceptability of the combination is to be determined by CSA.
2. The catalogue numbers may be completed with suffixes indicating color of body.
3. The short circuit testing on Cat. Nos. DBL80, DBL125, DBL160, DBL175, DBL250, DBL400, DBL250-F, DBL400-PV, DBL500-22, DBL500-F has been conducted on a single-phase circuit. The three-phase short circuit application of the terminal blocks shall be evaluated in the end-use investigation.

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 NO. 0-10 - General requirements - Canadian electrical code, part II
- CAN/CSA-C22.2 No. 158-10 - Terminal Blocks