

CERTIFICATE OF COMPLIANCE

Certificate Number E60425
Report Reference E60425-19850314
Date 2021-December-28

Issued to: PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstrasse 8
Blomberg 32825 DE

**This is to certify that
representative samples of** TERMINAL BLOCKS - COMPONENT
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1059 STANDARD FOR TERMINAL BLOCKS
CAN/CSA C22.2 No. 158-10 TERMINAL BLOCKS

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E60425
Report Reference E60425-19850314
Date 2021-December-28

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Component Terminal Blocks, Type OTTA with Suffixes 2.5, 2.5-P/P, 6, 6 PH2, 6-SO1, 6-P/P, 6-P/P-SO1, 6-T, 6-T-P/P, 25-M5, 25-M6, 25-M6 PH3, RBOC 8/6, RBOC 10/6, RBOC 12/8, RBO 6 W35, RBO 3 SP/SP .

Protective conductor terminal blocks, Cat. Nos. OTTA2.5-PE.

Component Terminal Blocks, OTTA with Suffixes 6-T/SB-P/P, 6-T/SB-P/P E, Type RBO with Suffixes 4-T/SB-P/P, 4-T/SB-P/P E.

Component Terminal Blocks, Type OTTAD 6/SB-P/P, OTTAD 6/SB, OTTA 6-T/SB, OTTA 6-P/P-HV, OTTA 6-HV.

Protective conductor terminal blocks, Cat. Nos. OTTA6-PE, OTTA 6-PE-1.

Component Terminal Blocks, Cat. Nos. FTB 2.5-F, FTB 2.5-NS 35, FTDB 2.5-F, FTDB 2.5-NS 35.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

DESCRIPTION

PRODUCT COVERED:

USR, Component Terminal Blocks, Type OTTA with Suffixes 2.5, 2.5-P/P, 6, 6 PH2, 6-S01, 6-P/P, 6-P/P-S01, 6-T, 6-T-P/P, 25-M5, 25-M6, 25-M6 PH3, RBOC 8/6, RBOC 10/6, RBOC 12/8, RBO 6 W35, RBO 3 SP/SP .

* Protective conductor terminal blocks, Cat. Nos. OTTA2.5-PE.

USR, CNR, Component Terminal Blocks, OTTA with Suffixes 6-T/SB-P/P, 6-T/SB-P/P E, Type RBO with Suffixes 4-T/SB-P/P, 4-T/SB-P/P E.

USR, CNR Component Terminal Blocks, Type OTTAD 6/SB-P/P, OTTAD 6/SB, OTTA 6-T/SB, OTTA 6-P/P-HV, OTTA 6-HV.

Protective conductor terminal blocks, Cat. Nos. OTTA6-PE, OTTA 6-PE-1.

USR, CNR Component Terminal Blocks, Cat. Nos. FTB 2.5-F, FTB 2.5-NS 35, FTDB 2.5-F, FTDB 2.5-NS 35.

GENERAL:

The terminal blocks covered by this report are single circuit terminal blocks which are grouped on a mounting rail to form multi-circuit units of unlimited lengths and intended for use in the following applications and within the ratings specified.

Application -
General Industrial (such as motor controllers, pushbutton stations, etc.)

Type Wiring Termination -
Stud and Nut (collar)

Type Wiring -
Factory and Field Wiring

Ratings -

Cat.-no.	Wire size AWG	Wire type	FW	TQ Lb-in/(Nm)	V	A	UG	CA
OTTA2.5	N/A	CU	2	5.3-7/(0.6-0.8)	600	20	B,C	2(105),5
OTTA2.5-P/P	N/A	CU	2	5.3-7/(0.6-0.8)	600	20	B,C	2(105),5
OTTA6, OTTA6 PH2	N/A	CU	2	13.3-16/(1.5-1.8)	600	30	B,C	2(105),5
OTTA6-P/P	N/A	CU	2	13.3-16/(1.5-1.8)	600	30	B,C	2(105),5

*

and Report

Cat.-no.	Wire size AWG	Wire type	FW	TQ Lb-in/(Nm)	V	A	UG	CA
OTTA6-T	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6- 12.4/(1.2-1.4)	600	30	B,C	2(105),5
OTTA6-T-P/P	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6- 12.4/(1.2-1.4)	600	30	B,C	2(105),5
OTTA25-M5	N/A	CU	2	22.1-26.6/(2.5-3)	600	115	B,C	2(105),5
OTTA25-M6, OTTA25-M6 PH3	N/A	CU	2	28.3-32.7(3.2-3.7)	600	115	B,C	2(105),5
OTTA2.5-PE	N/A	CU	2	5.3-7/(0.6-0.8)	600	N/A	B,C	2(105),5
*OTTA6-PE	20-10 (STR)	CU	2	(1.5 -1.8) Nm Fixing screw: (0.6-0.8) Nm	N/A	N/A	B,C, F**	2(105),5
OTTA6-S01	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6- 12.4/(1.2-1.4)	600	41(1)	B,C	2(105),5
OTTA6-P/P-S01	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6- 12.4/(1.2-1.4)	600	41(1)	B,C	2(105),5
OTTA 6-T/SB- P/P	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6- 12.4/(1.2-1.4)	600	30	B,C	2(105),5
OTTAD 6/SB- P/P	N/A	CU	2	13.3-16/ (1.5-1.8)	600	30	B,C	2(105),5
					800	30	F**	2(105),5
OTTA 6-T/SB- P/P E	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6- 12.4/(1.2-1.4)	600	30	B,C	2(105),5
OTTAD 6/SB	26-10 (STR)	Cu	2	(1.5 -1.8) Nm	600	30	B,C	2(105),5
					1000	30	F**	2(105),5
OTTA 6-T/SB	26-10 (STR)	Cu	2	(1.5 -1.8) Nm Disconnect screw: (1.2-1.4) Nm	600	30	B,C	2(105),5
					1000	30	F**	2(105),5
OTTA 6-P/P-HV	20-10 (STR)	Cu	2	(1.5 -1.8)Nm	600	30	B,C	2(105),5
					1000	30	F**	2(105),5
OTTA 6-HV	20-10 (STR)	Cu	2	(1.5 -1.8) Nm	600	30	B,C	2(105),5
					1000	30	F**	2(105),5
OTTA 6-PE-1	20-10 (STR)	Cu	2	(1.5 -1.8) Nm Fixing screw: (0.6-0.8) Nm	N/A	N/A	B,C,F**	2(105),5

Only for USR
Ratings -

Cat.-no.	Wire size AWG	Wire type	FW	TQ Lb-in/(Nm)	V	A	UG	CA
RBO 4-T/SB- P/P	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6-12.4/(1.2-1.4)	600	30	B,C	2(105),5
RBO 4-T/SB- P/P E	N/A	CU	2	13.3-16/(1.5-1.8)/ Dis. Conn 10.6-12.4/(1.2-1.4)	600	30	B,C	2(105),5

(1) 41 Ampere rating is based on No. 8 AWG wire pre-terminated with
Listed ring tongue terminal. See Conditions of Acceptability.

and Report

Cat.-no.	Wire size AWG	Wire type	FW	TQ Lb-in/(Nm)	V	A	UG	CA
RBOC 8/6	Input- 4-2 AWG Output- 2/0 AWG	CU	2	M6, 3.2-3.7 Nm M8, 6-12 Nm	1000	115	E, F	2(105), 5
RBOC 10/6	Input- 4-1/0 AWG Output- 300 kcmil	CU	2	M6, 3.2-3.7 Nm M10, 10-20 Nm	1000	130	E, F	2(105), 5
RBOC 12/8	Input- 2/0-3/0 AWG Output- 2/0- 4/0 AWG	CU	2	Input: 6-15Nm Output: 14-30Nm	1000	200	E, F	2(80), 5
RBO 6 W35	12-2	CU	2	3.2-3.7 Nm	600	115	B, C	2(105), 5
					800	115	F	2(105), 5
RBO 3 SP/SP	20-10	Cu	2	0.5-0.6 Nm	600	30	B, C	2(105), 5
					800	30	F	2(105), 5
FTB 2.5-F	28-12	Cu	2	NA	300	20	B, C	2(105), 4
				NA	300	10	D	2(105), 4
				NA	500	20	F	2(105), 4
FTB 2.5- NS35	28-12	Cu	2	NA	300	20	B, C	2(105), 4
				NA	300	10	D	2(105), 4
				NA	500	20	F	2(105), 4
FTDB 2.5-F	28-12	Cu	2	NA	300	20	B, C	2(105), 4
				NA	300	10	D	2(105), 4
				NA	500	20	F	2(105), 4
FTDB 2.5- NS35	28-12	Cu	2	NA	300	20	B, C	2(105), 4
				NA	300	10	D	2(105), 4
				NA	500	20	F	2(105), 4

Note - USR - Products designated USR have been investigated using US requirements as noted in the Test Record.

CNR - Products designated CNR have been investigated using Canadian requirements as noted in the Test Record.

A	B	C	D	E
OTTA/RB0	X0	X1	X2	X3

A - OTTA or RB0 Series

B - Wire Cross-section size capacity (X0): 2.5, 4, 6, 25

C - With or without Terminal Construction (X1):

-T: Terminal employs a current disconnect assembly consisting of a slide lock support base and slide lock screw. Additionally, a solid threaded nut (collar) is employed.

-T/SB- Same as "-T" Suffix except different construction for the current bar.

-M5- Terminal employs size M5 screw.

-M6- (For OTTA25 only) - Terminal employs size M6 screw.

-PE- Grounding type terminal block.

D- With or without Terminal Construction(X2):-PH3. -PH2: Star screw head

-P/P- Terminal employs a hollow (test socket) threaded nut (collar).

E- With or without Terminal Construction (X3):

-S01 - Uses specific ring tongue terminal for higher ampere rating.

-E- Designates housing moulded

With Suffix- Terminal employs a solid threaded nut (collar).

Note: -In nomenclature we can use (/) (,) (-) and space in between every suffix.

Colour coding can be added to any Article name at any position.

OTTAD 6/SB-P/P

OTTAD	6	/SB	-P/P
A	B	C	D

A: OTTAD: Basic Designation feed through terminal block

B: with or without suffix: X0: 6 = wire cross-section: 6 sq. mm

C: with or without suffix(X1): /SB - Same as "T" suffix different construction for the current bar.

D: with or without suffix (X2): -P/P - Test plug provision for measurement.

With all colour variants are possible and the can be added at any position of nomenclature

Note: In nomenclature we can use /, - and space in between every suffix.

Nomenclature: OTTAD 6/SB

OTTA/OTTAD	6	-T/SB	-P/P	-HV	-PE	-PE-1
A	B	C	D	E	F	G

A: OTTA/OTTAD: Basic Designation feed through terminal block

B: with or without suffix: X0: 6 = wire cross-section: 6 sq. mm

C: : with or without suffix(X1): -T/SB-

C: with or without suffix(X1): /SB - Same as "T" suffix different construction for the current bar.

D: with or without suffix (X2): -P/P - Test plug provision for measurement.

E: with or without suffix (X2): -HV - For High voltage

F: with or without suffix (X2): -PE - For grounding terminal.

G: with or without suffix (X2): -PE-1 - For grounding terminal.

With all colour variants are possible and the can be added at any position of nomenclature and the suffixes can be added at any position.

Note: In nomenclature we can use /,- and space in between every suffix.

Nomenclature: RBOC n/X Series

RBOC	X0	X1
A	B	C

A: RBOC- Compact Bolt connection terminal block

B: with or without suffix: X0: n = Bolt size

C: with or without suffix: X1: /X = Bolt size

RBOC 8/6
RBOC 10/6
RBOC 12/8

With all colour variants are possible and that can be added at any position of nomenclature and the suffixes can be added at any position.

Note: In nomenclature we can use /,- and space in between every suffix

Nomenclature: RBO Series

RBO	X0	X1
A	B	C

A: RBO- Bolt connection terminal block

B: with or without suffix: X0: n = Bolt size ,i.e, n=6

C: with or without suffix: X1:

W35 = wire range 35 sq. mm

RBO 6 W35

With all colour variants and suffixes are possible and that can be added at any position of nomenclature and the suffixes can be added at any position.

Note: In nomenclature we can use /, - and space in between every suffix.

Nomenclature: RBO Series

RBO	X0	X1
A	B	C

A: RBO- Bolt connection terminal block

B: with or without suffix: X0: n = Bolt size

C: with or without suffix: X1: SP/SP =

RBO 3 SP/SP

With all colour variants and suffixes are possible and that can be added at any position of nomenclature and the suffixes can be added at any position.

Note: In nomenclature we can use /, - and space in between every suffix.

Spacings - The following minimum spacings in inches (millimeters) shall be maintained between uninsulated live parts of opposite polarity, uninsulated live parts and uninsulated grounded parts other than the enclosure, or exposed metal parts.

<u>Application</u>	<u>Max Volts</u>	<u>Through Air_____</u>	<u>Over Surface</u>
General industrial	600	3/8 (9.5)	1/2 (12.7)
Commercial*	600	3/8 (9.5)	1/2 (12.7)

* Commercial appliances, including business equipment, electronic data processing equipment, and the like.

Nomenclature:

Nomenclature: FTB 2.5-F

FTB/FTDB	X0	X1
A	B	C

A: FTB/FTDB - Spring type terminal block

B: with or without suffix: X0: 2.5 = conductor size i.e., 2.5 sq. mm

C: with or without suffix: X1:

F= Flange

NS35= Mounting type NS 35

FTB 2.5-F	FTDB 2.5-F
FTB 2.5-NS35	FTDB 2.5-NS35

With all colour variants and suffixes are possible and that can be added at any position of nomenclature and the suffixes can be added at any position.

Note: In nomenclature we can use /, - and space in between every suffix.