

Connector products to simplify wiring



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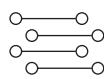
NDN DIN-Rail feed through blocks

The NDN feed through blocks feature a compact line of terminal blocks suitable for both 35mm DIN-Rail or C-Rail applications. Products easily snap onto the mounting rail for a quick, simple, low-cost solution. Available accessories include jumpers and marking tape.

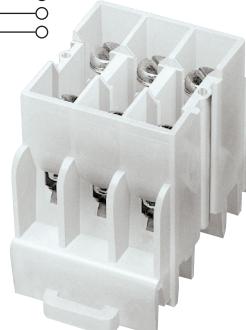
UL E62622

CSA File 15364

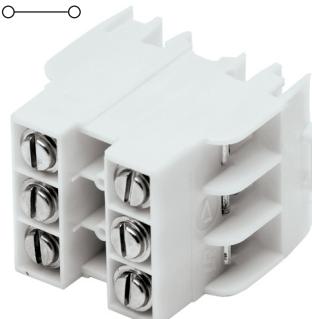
CSA File 47235 (NDN1, NDN111)



NDNV4



NDN3



NDN63

Block



Jumper

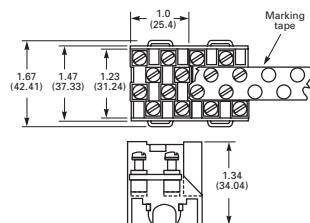
Marking tape

Mounting

Modular option

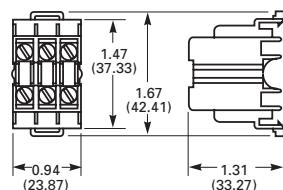
Approval	UL	CSA
Technical data		
Rated voltage	600V	
Rated Current	30A	
Center spacing, in (mm)	0.25 / 6.35	
Conductor cross-section, flexible (AWG/mm ²)	22~10 / 0.3~5.3	
Number of Poles	4	
Circuits per foot	48	
Torque(N•m)	2	
Torque(lb-in)	18	
Screw	#6-32	
WxHxD(mm)	25.4 x 34 x 42.4	
Colors	Cat. no.	
○ White (standard)	NDNV4-WH	
● Black	NDNV4-BK	
Accessories	Cat. no.	
4 circuits	JN4	
	MTC6	

Dimensions — in (mm)



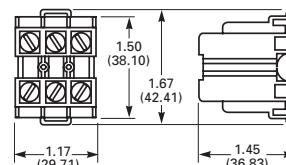
Approval	UL	CSA
Technical data		
Rated voltage	600V	
Rated Current	30A	
Center spacing, in (mm)	0.3 / 7.62	
Conductor cross-section, flexible (AWG/mm ²)	22~10 / 0.3~5.3	
Number of Poles	3	
Circuits per foot	38	
Torque(N•m)	2	
Torque(lb-in)	18	
Screw	#6-32	
WxHxD(mm)	23.9 x 33.3 x 42.4	
Colors	Cat. no.	
○ White (standard)	NDN3-WH	
● Blue	NDN3-BL	
Accessories	Cat. no.	
2 circuits	JNDN3	
	MT12-1-2	

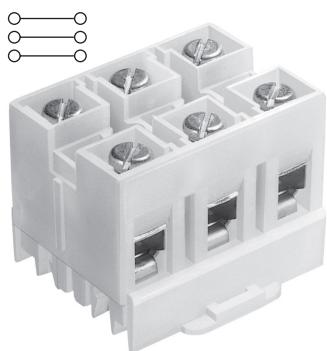
Dimensions — in (mm)



Approval	UL	CSA
Technical data		
Rated voltage	600V	
Rated Current	65A	
Center spacing, in (mm)	0.375 / 9.52	
Conductor cross-section, flexible (AWG/mm ²)	18~6 / 0.8~13.3	
Number of Poles	3	
Circuits per foot	30	
Torque(N•m)	4	
Torque(lb-in)	35	
Screw	#10-32	
WxHxD(mm)	29.7 x 36.8 x 42.4	
Colors	Cat. no.	
○ White (standard)	NDN63-WH	
● Black	NDN63-BK	
Accessories	Cat. no.	
2 circuits	JN1	
	MT12-1-2	

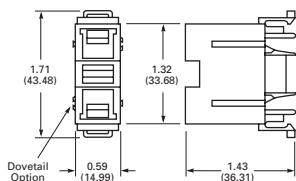
Dimensions — in (mm)




NDN1

NDN111

Approval	
Technical data	
Rated voltage	600V
Rated Current	90A
Center spacing in (mm)	0.635 / 16.31
Conductor cross-section, flexible (AWG/mm ²)	18~2 / 0.8~33.6
Number of Poles	1
Circuits per foot	18
Torque(N•m)	3.6
Torque(lb-in)	32
Screw	1/4-28
WxHxD(mm)	15 x 30.3 x 43.5
Colors	
○ White (standard)	NDN1-WH

Accessories	Cat. no.
—	—
—	MT12-1-2
35mm DIN-Rail	DRL35MML DRL35MMHI
C-Rail	NFTA NRA

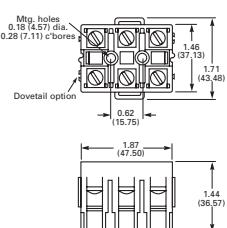
Dimensions — in (mm)


Approval	
Technical data	
Rated voltage	600V
Rated Current	90A
Center spacing in (mm)	0.635 / 16.31
Conductor cross-section, flexible (AWG/mm ²)	18~2 / 0.8~33.6
Number of Poles	3
Circuits per foot	18
Torque(N•m)	3.6
Torque(lb-in)	32
Screw	1/4-28
WxHxD(mm)	47.5 x 36.6 x 43.5
Colors	
○ White (standard)	NDN111-WH
● Black	NDN111-BK

Accessories	Cat. no.
—	JN1
2 circuits	MT12-1-2

Accessories	Cat. no.
35mm DIN-Rail	DRL35MML DRL35MMHI
C-Rail	NFTA NRA

NDN111A-WH, NDN111A-BK

Dimensions — in (mm)


C-Rail feed through terminal blocks

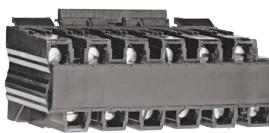
C-Rail terminal blocks provide a low-profile, compact footprint solution for various wire connection applications. Products feature an easy, snap-on installation method and an array of accessories including jumpers and marking strips.

UL E62622 (excluding N512)

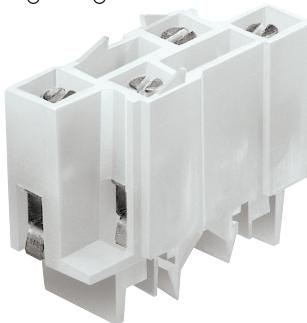
CSA File 15364

CSA File 47235 (NFT3)

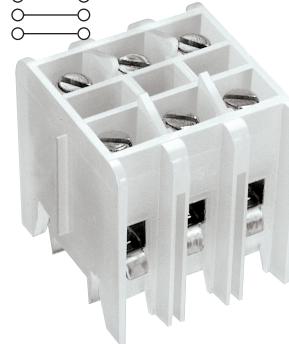
12-pole



12-pole



12-pole


N512

Approval		
Technical data		
Rated voltage	300V	600V
Rated current	20A	5A
Center spacing in (mm)	0.197 / 5.0	
Conductor cross-section, flexible (AWG/mm ²)	22~12 / 0.3~3.3	
Number of Poles	12	
Circuits per foot	60	
Torque(N•m)	1.4	
Torque(lb-in)	12	
Screw	#4-48	
WxHxD(mm)	61.0 x 27.7 x 22.4	
Colors	Cat. no.	
● Black (standard)	N512-BK	
—	—	
Accessories	Cat. no.	
12 circuits	JN512	
	AT512	

Block

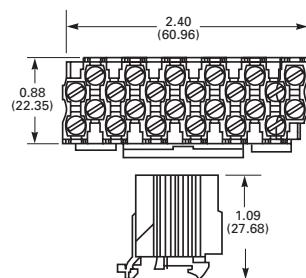


Jumper

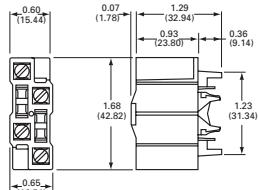
Marking tape

Mounting

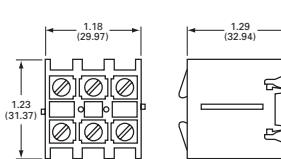
Colors	Cat. no.
● Black (standard)	N512-BK
—	—
Accessories	Cat. no.
12 circuits	JN512
	AT512

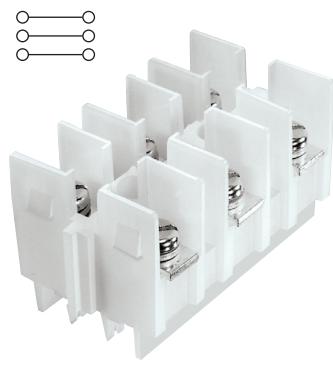
Dimensions — in (mm)


Colors	Cat. no.
○ White (standard)	NFT2-WH
—	—
Accessories	Cat. no.
2 circuits	JN2
	MT12-1-2

Dimensions — in (mm)


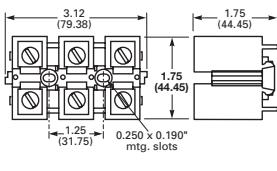
Colors	Cat. no.
○ White (standard)	NFT3-WH
● Black	NFT3-BK
Accessories	Cat. no.
2 circuits	JN3
	MT12-1-2

Dimensions — in (mm)


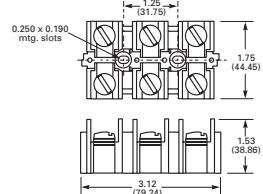

NC3

NSE3

NSS3

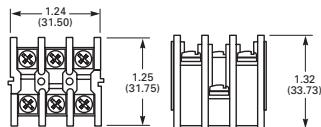
Approval		
Technical data		
Rated voltage	600V	
Rated Current	175A	
Center spacing in (mm)	1.06 / 26.92	
Conductor cross-section, flexible (AWG/mm ²)	14-2/0 / 2.1-67.4 Cu/AL	
Number of Poles	3	
Circuits per foot	11	
Torque(N·m)	5.1	
Torque(lb-in)	45	
Screw	5/16 - 24	
WxHxD(mm)	79.4 x 44.5 x 44.5	
Colors	Cat. no.	
○ White (standard)	NC3-WH	
—	—	
Accessories	Cat. no.	
—	—	
	MT12-1-2	
Panel mount	—	
C-Rail	NFTA NRA	

Dimensions — in (mm)


Approval		
Technical data		
Rated voltage	600V	
Rated Current	115A	
Center spacing in (mm)	1.06 / 26.92	
Conductor cross-section, flexible (AWG/mm ²)	Ring terminals only	
Number of Poles	3	
Circuits per foot	11	
Torque(N·m)	3.6	
Torque(lb-in)	32	
Screw	1/4 - 28	
WxHxD(mm)	79.2 x 38.9 x 44.5	
Colors	Cat. no.	
○ White (standard)	NSE3-WH	
—	—	
Accessories	Cat. no.	
—	—	
2 circuits	JNSE3	
	MT12-1-2	
Panel mount	—	
C-Rail	NFTA Series NRA Series	

Dimensions — in (mm)


Approval		
Technical data		
Rated voltage	600V	
Rated Current	30A	
Center spacing in (mm)	0.385 / 9.77	
Conductor cross-section, flexible (AWG/mm ²)	Ring terminals only	
Number of Poles	3	
Circuits per foot	28	
Torque(N·m)	1.4	
Torque(lb-in)	12	
Screw	#6-32	
WxHxD(mm)	31.5 x 33.7 x 31.8	
Colors	Cat. no.	
○ White (standard)	NSS3-WH	
—	—	
Accessories	Cat. no.	
—	—	
2 circuits	JNSS3	
	MT12-1-2	
Panel mount	—	
C-Rail	NFTA NRA	

Dimensions — in (mm)


DIN-Rail depluggable blocks

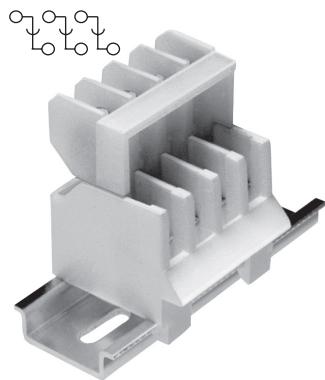
Depluggable terminal blocks are available for both 35mm DIN-Rail and C-Rail applications. These blocks provide a simple depluggable* option for panel wiring applications with the convenience of quick, easy, snap-on installation. Product accessories such as jumpers and marking tape are available for most products.

UL E62622

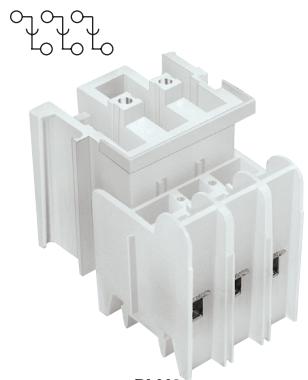
CSA File 15364

CSA File 47235 (15188 Series)

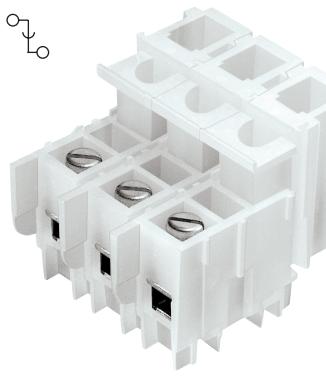
* Not for use as a load break disconnect.



15188



PLU3



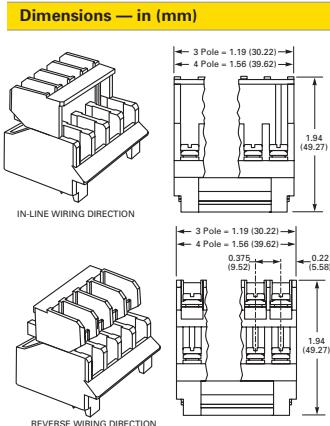
PLU1

Approval	UL	CSA
Technical data		
Rated voltage	600V	
Rated Current	30A	
Center spacing in (mm)	0.375 / 9.52	
Conductor cross-section, flexible (AWG/mm ²)	16-12 / 1.3-3.3	
Number of Poles	3 or 4	
Circuits per foot	32	
Torque(N•m)	1.4	
Torque(lb-in)	12	
Screw	#6-32	
3-Pole	WxHxD(mm) 30.2 x 49.3 x 47.8	
4-Pole	WxHxD(mm) 39.2 x 49.3 x 47.8	
Colors	Cat. no.	
○ White (standard)	15188-3	
○ White (standard)	15188-4	

Block

Accessories	Cat. no.
2 circuits	15188J-2-J, J15188
—	—
35mm DIN-Rail	DRL35MMLO DRL35MMHI
Reverse Wiring	15188-_R
Locking	15188-_S
Reverse; Locking	15188-_RS

Options offered for both pole lengths



Approval	UL	CSA
Technical data		
Rated voltage	600V	
Rated Current	40A	
Center spacing in (mm)	0.39 / 9.91	
Conductor cross-section, flexible (AWG/mm ²)	22-8 / 0.3-8.4	
Number of Poles	3	
Circuits per foot	28	
Torque(N•m)	2	
Torque(lb-in)	18	
Screw	#8-32	
3-Pole	WxHxD(mm) 31.8 x 47.0 x 45.6	
—	WxHxD(mm) 31.8 x 47.0 x 45.6	
Colors	Cat. no.	
○ White (standard)	PLU3-WH	
● Black	PLU3-BK	

Accessories	Cat. no.
2 circuits	JN3
—	MT12-1-2

Accessories	Cat. no.
2 circuits	JN1
—	MT12-1-2

C-Rail (AL)

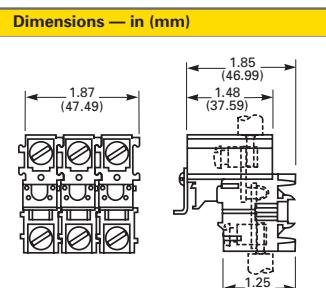
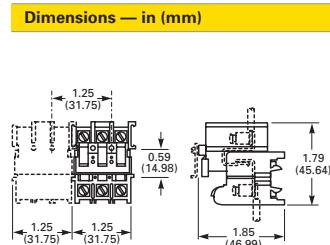
NFTA
NRA

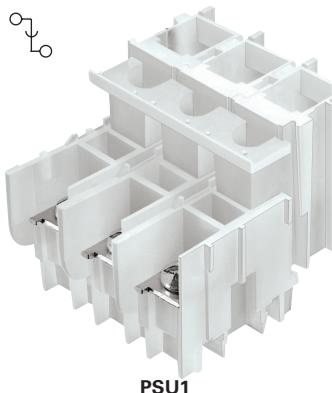
Approval	UL	CSA
Technical data		
Rated voltage	600V	
Rated Current	70A	
Center spacing in (mm)	0.3 / 7.62	
Conductor cross-section, flexible (AWG/mm ²)	18-4 / 0.8-21.2	
Number of Poles	1 - 3	
Circuits per foot	19	
Torque(N•m)	3.6	
Torque(lb-in)	32	
Screw	1/4 - 28	
1-Pole	WxHxD(mm) 18.5 x 47.0 x 45.6	
2-Pole	34.0 x 47.0 x 45.6	
3-Pole	49.5 x 47.0 x 45.6	
Colors	Cat. no.	
○ White (1-Pole)	PLU1-WH	
○ White (2-Pole)	PLU11-WH	
○ White (3-Pole)	PLU111-WH	

Accessories	Cat. no.
2 circuits	JN1
—	MT12-1-2

Accessories	Cat. no.
2 circuits	JN1
—	MT12-1-2

C-Rail (AL)

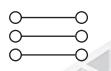
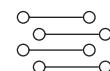
NFTA
NRA


PSU1
Panel mount multi-pole blocks

Multi-pole panel mount terminal blocks provide a compact, high density circuit connection solution without the necessity of a mounting rail. These products are designed to be nested together to form one string of circuit connections.

UL E62622

CSA 15364


KT3

KT4

Approval		
Technical data		
Rated voltage	600V	
Rated Current	45A	
Center spacing in (mm)	0.625 / 15.88	
Conductor cross-section, flexible (AWG/mm ²)	Ring terminals only	
Number of Poles	1 - 3	
Circuits per foot	19	
Torque(N•m)	2.7	
Torque(lb-in)	24	
Screw	#10-32	
3-Pole	WxHxD(mm) 50.3 x 49.1 x 62.1	
Colors		
○ White (3-Pole)	PSU111-WH	
Accessories		
—	—	
—	MT12-1-2	
C-Rail (AL)	NFTA NRA	
—	—	

Block	Jumper	Marking tape	Mounting
○ White (3-Pole)	PSU111-WH		
—	—	MT12-1-2	
—	—	—	—
Dimensions — in (mm)			

Block	Jumper	Marking tape	Mounting
○ White (3-Pole)	PSU111-WH		
—	—	MT12-1-2	
—	—	—	—
Dimensions — in (mm)			

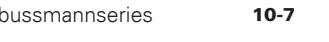
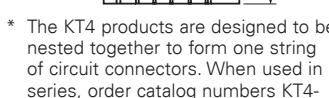
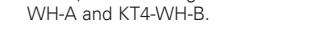
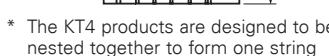
Approval		
Technical data		
Rated voltage	600V	
Rated Current	40A	
Center spacing in (mm)	0.39 / 9.91	
Conductor cross-section, flexible (AWG/mm ²)	22-8 / 0.3-8.4	
Number of Poles	3	
Circuits per foot	28	
Torque(N•m)	2	
Torque(lb-in)	18	
Screw	#8-32	
WxHxD(mm)	59.5 x 31.8 x 31.0	
Colors		
○ White (standard)	KT3-WH	
○ White	KT4-WH-A*	
○ White	KT4-WH-B*	
Accessories		
2 circuits	JN3	
—	MT12-1-2	
Panel mount	—	
• Mounting foot	KAD	
Dimensions — in (mm)		

Block	Jumper	Marking tape	Mounting
○ White (3-Pole)	PSU111-WH		
—	—	MT12-1-2	
—	—	—	—
Dimensions — in (mm)			

Dimensions — in (mm)


Approval		
Technical data		
Rated voltage	600V	
Rated Current	30A	
Center spacing in (mm)	0.25 / 6.35	
Conductor cross-section, flexible (AWG/mm ²)	22-10 / 0.3-5.3	
Number of Poles	4	
Circuits per foot	48	
Torque(N•m)	2	
Torque(lb-in)	18	
Screw	#6-32	
WxHxD(mm)	43.8 x 34.0 x 32.2	
Colors		
○ White	KT4-WH-A*	
○ White	KT4-WH-B*	
Accessories		
4 circuits	JN4	
—	MTC6	
Panel mount	—	
Dimensions — in (mm)		

Block	Jumper	Marking tape	Mounting
○ White (3-Pole)	PSU111-WH		
—	—	MT12-1-2	
—	—	—	—
Dimensions — in (mm)			

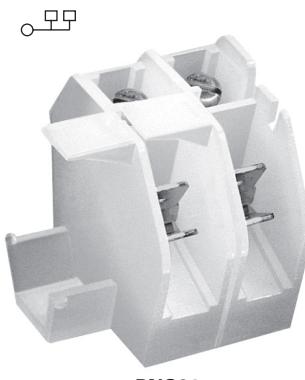
Dimensions — in (mm)


Panel mount quick-connect blocks

A time saving alternative for electrical connections, the Bussmann series quick-connect terminal blocks offer a convenient solution. With male spade terminals, wire connections are made quickly and simply with these terminal blocks.

UL E62622

CSA 15364



BNQ21



BQQ41

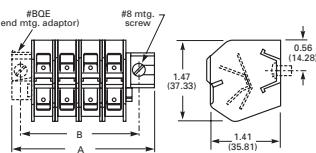
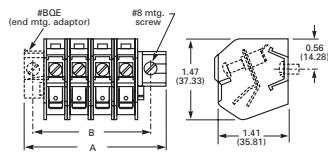
Approval		UL	CSA
Technical data			
Rated voltage	600V		
Rated Current	40A		
Center spacing in (mm)	0.437 / 11.1		
Conductor cross-section, flexible (AWG/mm ²)	22-8 / 0.3-8.4		
Number of Poles	1		
Circuits per foot	24		
Torque(N•m)	2		
Torque(lb-in)	18		
Screw	#8-32		
WxHxD(mm)	33.3 x 35.8 x 37.3		
Colors		Cat. no.	
○ White (standard)		BNQ21-WH	
Accessories		Cat. no.	
—	—	—	
Panel mount	—	—	
• Mounting foot	BQE	—	
Dimensions — in (mm)			

Block



Mounting

Approval		UL	CSA
Technical data			
Rated voltage	600V		
Rated Current	30A		
Center spacing in (mm)	0.437 / 11.1		
Conductor cross-section, flexible (AWG/mm ²)	0.25" Quick-connect terminals only		
Number of Poles	1		
Circuits per foot	24		
Torque(N•m)	NA		
Torque(lb-in)	NA		
Screw	NA		
WxHxD(mm)	33.3 x 35.8 x 37.3		
Colors		Cat. no.	
○ White (standard)		BQQ41-WH	
Accessories		Cat. no.	
—	—	—	
Panel mount	—	—	
• Mounting foot	BQE	—	
Dimensions — in (mm)			



C7021 power feed through terminal blocks

Power feed through terminal block with two rows 1/4-20 studs capable of accommodating the industry standard two-hole compression lugs on both studs in parallel.


Ratings

- Volts 300 V
- Amps 115/175 A* per pole

* 175 achieved using both studs in parallel, 115 A using a single stud per line.

Agency information

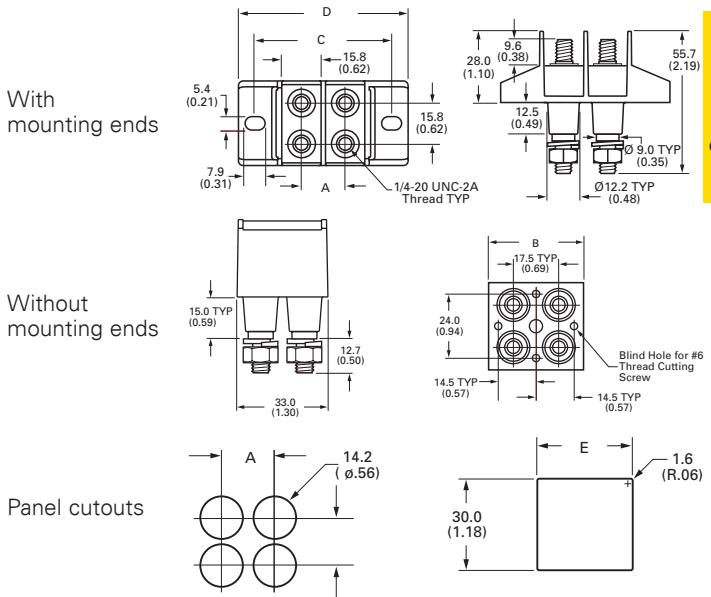
- cURus, Guides XCFR2, XCFR8, File E62622
- CE

Specifications

- Poles: 1- to 6
- Wire range: AWG #3/0-8
- Center spacing: 0.69" (18mm)
- Bolt hole spacing: 0.625" or 5/8" (16mm)
- Stud: Standard 1/4-20 stud (tin-plated brass) or optional M6 stud.
- Mounting: #6 thread cutting screws (not included) or optional mounting ends.
- Torque: 36 lb-in.
- Operating temperature: 130°C (266°F) max.

Typical applications

- Applications requiring up to 175 A utilizing a 2-hole compression lug on 5/8" centers
- Input/output block for telecommunications power panels
- To eliminate busbars

Dimensions — mm (in)


Catalog no.	A	B	C	D	E
C7021-01-X with mounting ends					
C7021-02-X	175 (0.69)	—	54.4 (2.14)	67.3 (2.65)	31.8 (1.25)
C7021-03-X	34.9 (1.37)	—	70.9 (2.83)	84.8 (3.34)	49.2 (1.94)
C7021-04-X	52.3 (2.06)	—	89.3 (3.52)	102.2 (4.02)	66.7 (2.63)
C7021-05-X	69.8 (2.75)	—	106.8 (4.20)	119.7 (4.71)	84.2 (3.31)
C7021-06-X	87.2 (3.44)	—	124.2 (4.89)	134.1 (5.40)	101.7 (4.00)
C7021-01N-X without mounting ends					
C7021-02N-X	175 (0.69)	36.1 (1.42)	—	—	31.8 (1.25)
C7021-03N-X	34.9 (0.69)	53.5 (2.11)	—	—	49.2 (1.94)
C7021-04N-X	52.3 (2.06)	71.0 (2.80)	—	—	66.7 (2.63)
C7021-05N-X	69.8 (2.75)	88.4 (3.48)	—	—	84.2 (3.31)
C7021-06N-X	87.2 (3.44)	105.9 (4.17)	—	—	101.7 (4.00)

Catalog number build-a-code

Symbol	Poles	Mount ends	Studs	Hardware
C7021				—
01	1-pole (2 studs)	Blank = Mount ends	Blank = Standard	Blank = No hardware
02	2-pole (4 studs)	N = No mount ends	M6 = M6 studs	0 = Bulk pack, one set
03	3-pole (6 studs)			1 = Bulk pack, two sets
04	4-pole (8 studs)			2 = Assembled, bottom
05	5-pole (10 studs)			3 = Assembled, top
06	6-pole (12 studs)			4 = Assembled, both sets

TB100 double row terminal blocks

Ratings*

- 300 V
- 30 A
- Breakdown voltage: 3600 V

* Maximum rating shown; some options may be rated lower.



Agency information

- UL File E62622/CSA File 47235; IEC Compliance

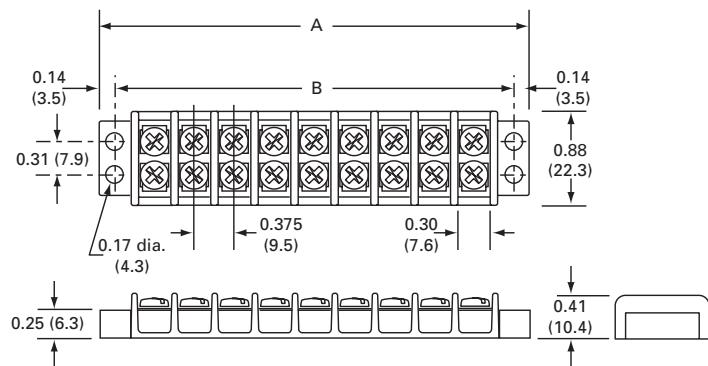
Specifications

- Poles: 2 to 36
- Center spacing: 0.375" or 3/8" (10mm)
- Wire range: 14-22 AWG Cu
- Screw size: #6-32 phil-slot screws
- Torque rating: 9 lb-in
- Distance between barriers: 0.30" (8mm)
- Mounting: #6 screws
- Operating temperature: -40°C to 130°C (-40°F to 266°F)

Materials

- Molded black thermoplastic base, UL rated 94V0
- Tin-plated brass terminals
- Zinc-plated steel screws

Dimensions — in



Poles	A	B	Poles	A	B	Poles	A	B
02	1.40	1.12	14	5.90	5.62	26	10.40	10.12
03	1.78	1.50	15	6.28	6.00	27	10.78	10.50
04	2.16	1.88	16	6.66	6.38	28	11.16	10.88
05	2.53	2.25	17	7.03	6.75	29	11.53	11.25
06	2.90	2.62	18	7.40	7.12	30	11.90	11.62
07	3.28	3.00	19	7.78	7.50	31	12.28	12.00
08	3.66	3.38	20	8.16	7.88	32	12.66	12.38
09	4.03	3.75	21	8.53	8.25	33	13.03	12.75
10	4.40	4.12	22	8.90	8.62	34	13.40	13.12
11	4.78	4.50	23	9.28	9.00	35	13.78	13.50
12	5.16	4.88	24	9.66	9.38	36	14.16	13.88
13	5.53	5.25	25	10.03	9.75			

1" = 25.4mm.

Catalog number build-a-code

Symbol	Poles	Screw options	Marking/cover	Hardware options
TB100	—			
	02 to 36	Blank = steel phil-slot, zinc-plated	L1 to L6	QC1 to QC20 = Quick-connects
	00	screws shipped bulk	Marking options, see page 10-16	Custom options [†]
	B	brass phil-slot, nickel-plated	Special markings [†] , see page 10-16	J101 = flat slip-on jumper (2 position only)
	SP	steel SEMS phil-slot, zinc-plated		OJ2 = over barrier jumpers
				OJ4 = over barrier jumpers

[†] Contact factory for configuration.

Accessories

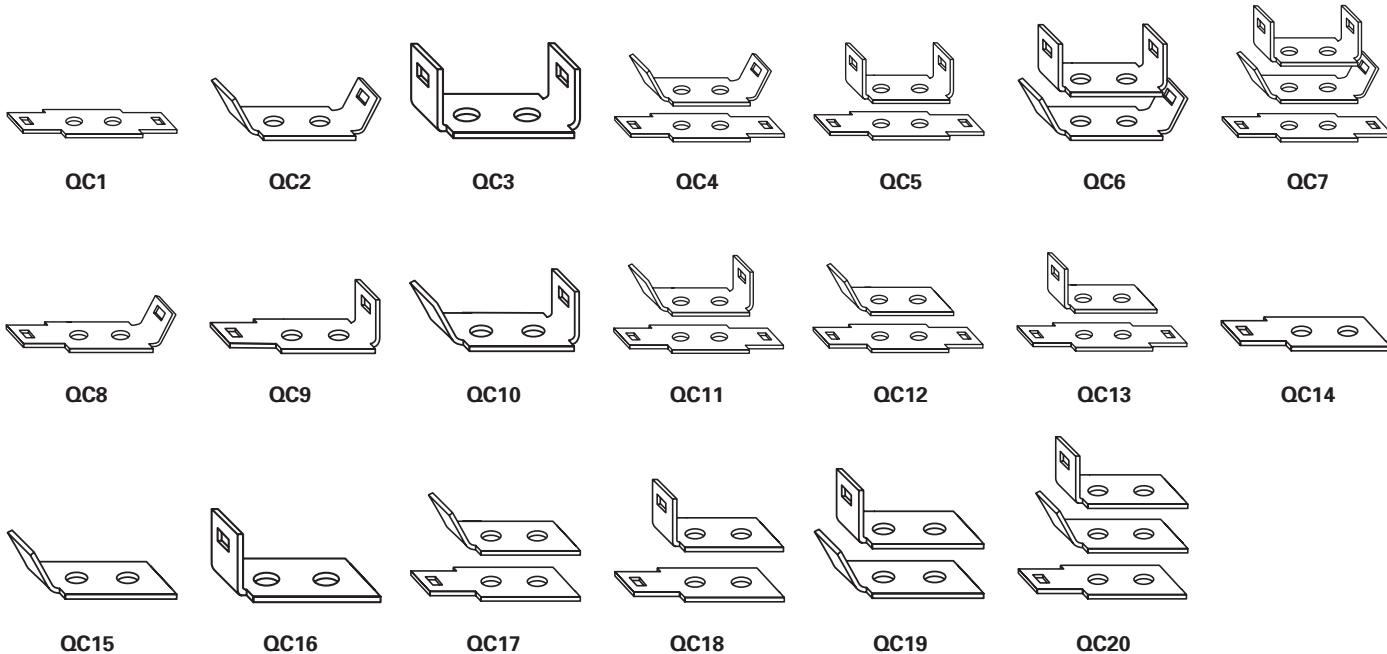
- Marker strips, see page 10-17
- Covers, see page 10-16

Screw options

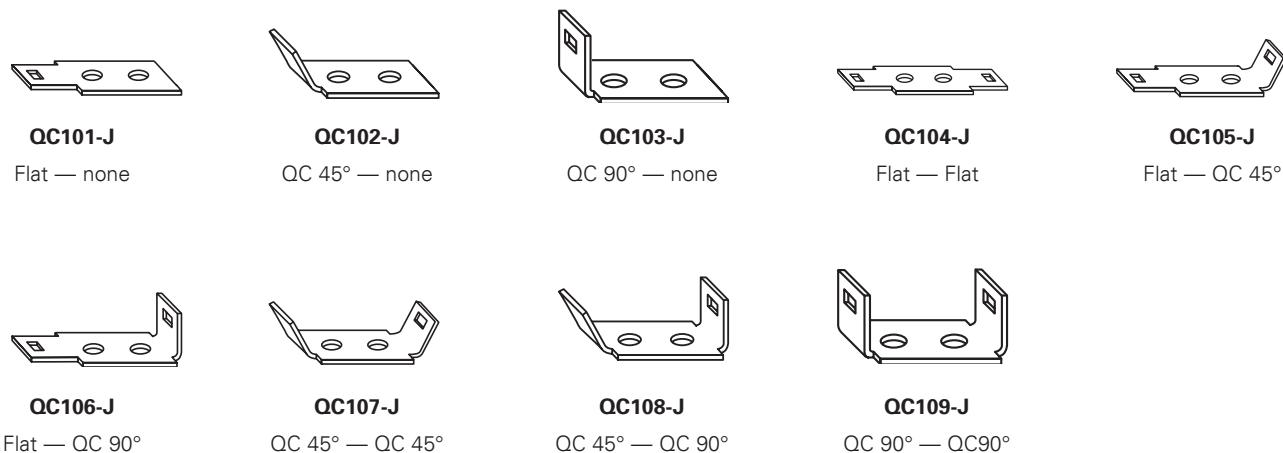
Brass phil-slot, nickel-plated
F502-J (bulk)Steel SEMS phil-slot, zinc-plated
B001-7021-J (bulk)

Hardware options

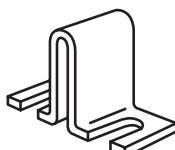
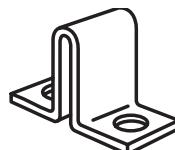
Quick-connects — assembled: 0.187" x 0.020" terminals, 13 amps maximum. For other orientations, contact factory.



Quick-connects — bulk: minimum order 100 pieces per catalog number.



Jumpers — bulk: minimum order 100 pieces per catalog number. Contact factory for jumper assembly.

Flat slip-on (bulk: **J101-J**)Slip-on over barrier (bulk: **OJ2-J**)Closed over barrier (bulk: **OJ4-J**)

TB200 and TB200HB double row terminal blocks

Ratings*

- Volts
 - 300 V (TB200)
 - 600 V (TB200HB)
- Amps 30 A
- Breakdown voltage 4800 V



* Maximum rating shown; some options may be rated lower.

Agency information

- UL File E62622, CSA File 47235 and 15364; IEC Compliance

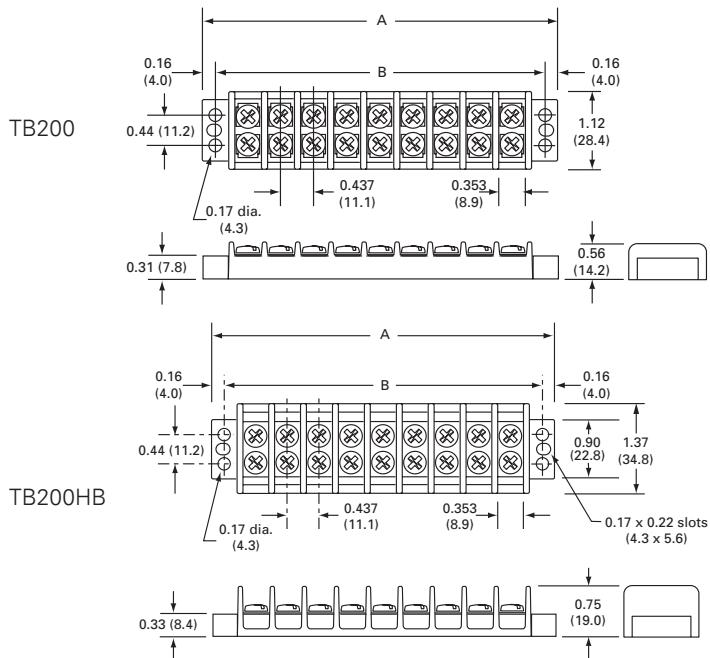
Specifications

- Poles: 2 to 30
- Wire range: 12 - 22 AWG Cu
- Center spacing: 0.437" or 7/16" (11mm)
- Distance between barriers: 0.353" (9mm)
- Screw size: #6-32 phil-slot screws
- Torque rating: 9 lb-in
- Mounting: #6 screws
- Operating temperature: -40°C to 130°C (-40°F to 266°F)

Materials

- Molded black thermoplastic base UL rated 94V0
- Terminal plating: Tin-plated brass terminals
- Zinc-plated steel screws

Dimensions — in



Poles	A	B	Poles	A	B	Poles	A	B
02	1.63	1.31	12	6.00	5.68	22	10.37	10.06
03	2.07	1.75	13	6.44	6.12	23	10.81	10.50
04	2.51	2.18	14	6.87	6.56	24	11.25	10.93
05	2.94	2.62	15	7.31	7.00	25	11.68	11.37
06	3.38	3.06	16	7.75	7.43	26	12.12	11.81
07	3.82	3.50	17	8.19	7.87	27	12.56	12.25
08	4.25	3.93	18	8.62	8.31	28	13.00	12.68
09	4.69	4.37	19	9.06	8.75	29	13.44	13.12
10	5.13	4.81	20	9.50	9.18	30	13.87	13.56
11	5.57	5.25	21	9.94	9.62			

1" = 25.4mm.

Catalog number build-a-code

Symbol	Barrier style	Poles	Screw options	Marking/cover	Hardware options
TB		—			
	200 = Standard	02 to 30	Blank = Steel phil-slot, zinc-plated	L1 to L6 = Marking options, see page 10-16	QC1 to QC20 = Quick-connects
	200HB = High barrier		00 = Screws shipped bulk	Special markings [†] , see page 10-16	Custom options [†]
			B = Brass phil-slot, nickel-plated		J201 = Flat slip-on jumper, 2 position only
			BS = Brass SEMS phil-slot, nickel-plated		0J3 = Over barrier jumpers
			P = Steel SEMS (P-style)		0J5 = Over barrier jumpers
			SP = Steel SEMS phil-slot, zinc-plated		0J7 = Over barrier jumpers
			SS = Stainless steel SEMS, phil-slot		
			ST = Stainless steel, phil-slot		

[†] Contact factory for configuration.

Accessories

- Marker strips, see page 10-17
- Covers, see page 10-16

Screw options

B
Brass phil-slot
nickel-plated
B001-7016-J (bulk)

BS
Brass SEMS phil-slot
nickel-plated
B001-7019-J (bulk)

SP
Steel SEMS phil-slot
zinc-plated
B001-7007-J (bulk)

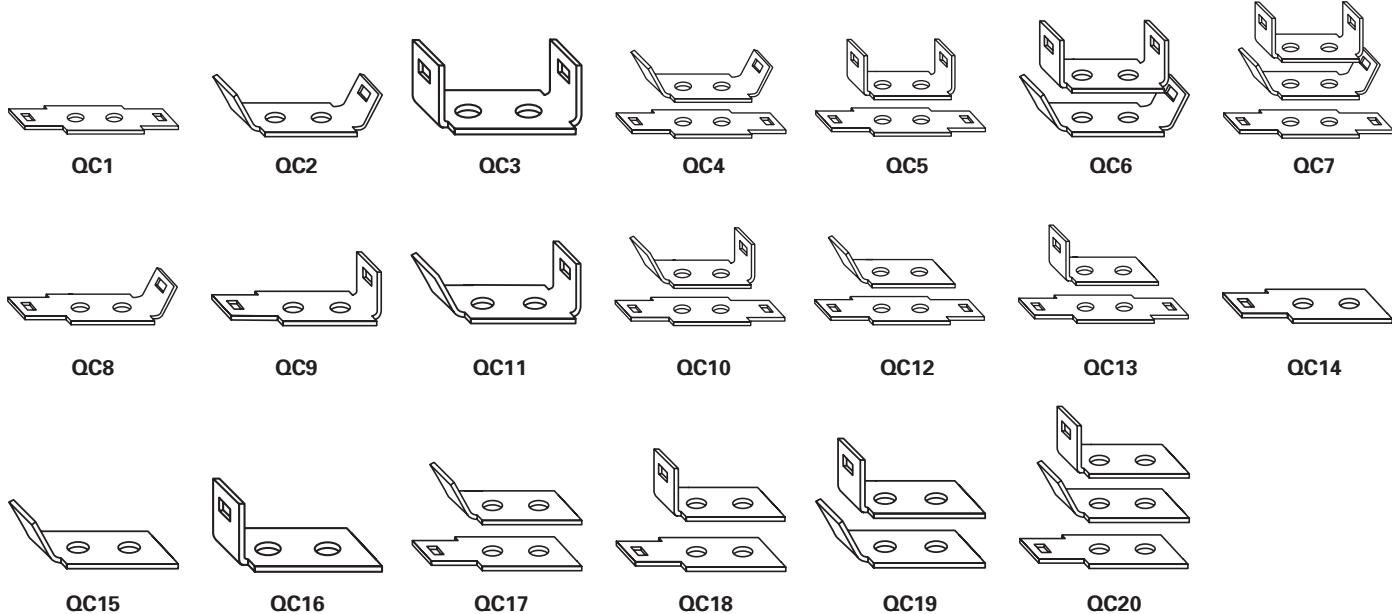
P
Steel SEMS
(P-style)
B001-7000-J (bulk)

ST
Stainless steel phil-slot
F507-J (bulk)

SS
Stainless steel SEMS
phil-slot
B001-7085-J (bulk)

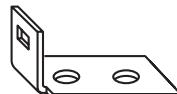
Hardware options

Quick-connects — assembled: 0.25" x 0.031" terminals, 20 amps maximum. For other orientations, contact factory.

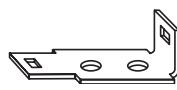
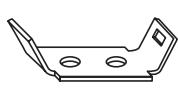
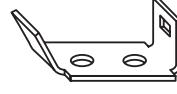
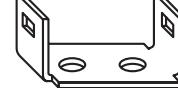


Quick-connects — bulk: minimum order 100 pieces per catalog number.

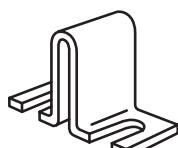
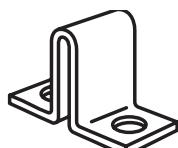

QC201-J
QC 45° — blank

QC202-J
Flat — blank

QC203-J
QC 90° — blank

QC204-J
Flat — Flat

QC205-J
Flat — QC 45°

QC206-J
Flat — QC 90°

QC207-J
QC 45° — QC 45°

QC208-J
QC 45° — QC 90°

QC209-J
QC 90° — QC 90°

Jumpers — bulk: minimum order 100 pieces per catalog number. Contact factory for jumper assembly.


J201
Flat slip-on
(not available on TB200HB)
J201-J (bulk)

OJ3
Slip-on over barrier for TB200HB
OJ3-J (bulk)

OJ5
Closed over barrier for TB200HB
OJ5-J (bulk)

OJ7
Closed over barrier for TB200
OJ7-J (bulk)

TB300 and TB345 double row terminal blocks

Ratings*

- Volts 600 V
- Amps
 - 30 A (TB300)
 - 45 A (TB345)
- Breakdown voltage 7500 V

* Maximum rating shown; some options may be rated lower.



Agency information

UL File E62622, CSA File 47235; IEC Compliance

Specifications

- Poles: 2 to 24
- Wire range: 8 - 22 AWG Cu
- Center spacing: 0.562" or 9/16" (14mm)
- Screw size
 - TB300 — #8-32 phil-slot screws
 - TB345 — #10-32 phil-slot screws
- Torque rating
 - #8 screws - 16 lb-in
 - #10 screws - 20 lb-in
- Distance between barriers: 0.41" (10mm)
- Mounting
 - TB300 — #8 screws
 - TB345 — #10 screws
- Operating temperature: -40°C to 130°C (-40°F to 266°F)

Materials

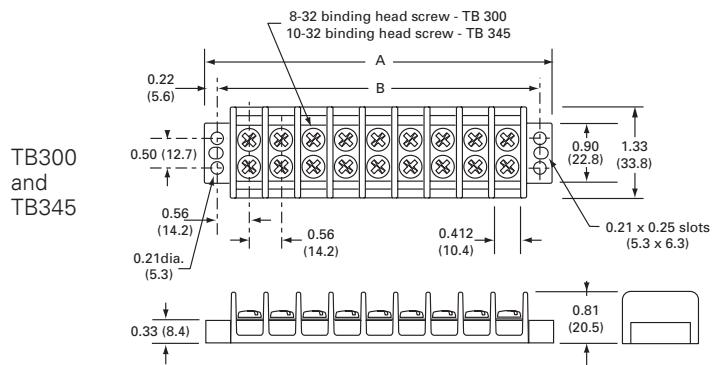
- Molded black thermoplastic base, UL rated 94V0
- Tin-plated brass terminals
- Zinc-plated steel screws

Catalog number build-a-code

Symbol	Screw size	Poles	Screw options	Marking/cover	Hardware options
TB		—			
300 = 8-32 screw	02 to 24	Blank	= Steel phil-slot, zinc-plated	L1 to L6 marking options, see page 10-16	QC1 to QC20 = Quick-connects (TB300 only)
345 = 10-32 screw		00	= Screws shipped bulk	Special markings†, see page 10-16	Custom options (TB300 only)†
		B	= Brass phil-slot, nickel-plated		J301 = Flat slip-on jumper
		BS	= Brass SEMS phil-slot, nickel-plated (TB300 only)		OJ6 = Over barrier jumper
		SP	= Steel SEMS phil-slot, zinc-plated		OJ11 = Over barrier jumper
		ST	= Stainless steel, phil-slot		

† Contact factory for configuration.

Dimensions — in



Poles	A	B	Poles	A	B	Poles	A	B
02	2.13	1.69	10	6.62	6.19	18	11.12	10.68
03	2.69	2.25	11	7.18	6.75	19	11.68	11.25
04	3.25	2.81	12	7.75	7.31	20	12.24	11.81
05	3.81	3.37	13	8.31	7.87	21	12.80	12.37
06	4.37	3.94	14	8.87	8.44	22	13.37	12.93
07	4.94	4.50	15	9.43	9.00	23	13.93	13.50
08	5.50	5.06	16	9.99	9.56	24	14.49	14.06
09	6.06	5.62	17	10.56	10.12			

1" = 25.4mm.

Accessories

- Marker strips, see page 10-17
- Covers, see page 10-16

Screw options


B
Brass phil-slot nickel-plated
- B001-7018-J (TB300 bulk)
- B500-023-028-J (TB345 bulk)



BS
Brass SEMS phil-slot nickel-plated
- B001-7015-J (TB300 bulk)



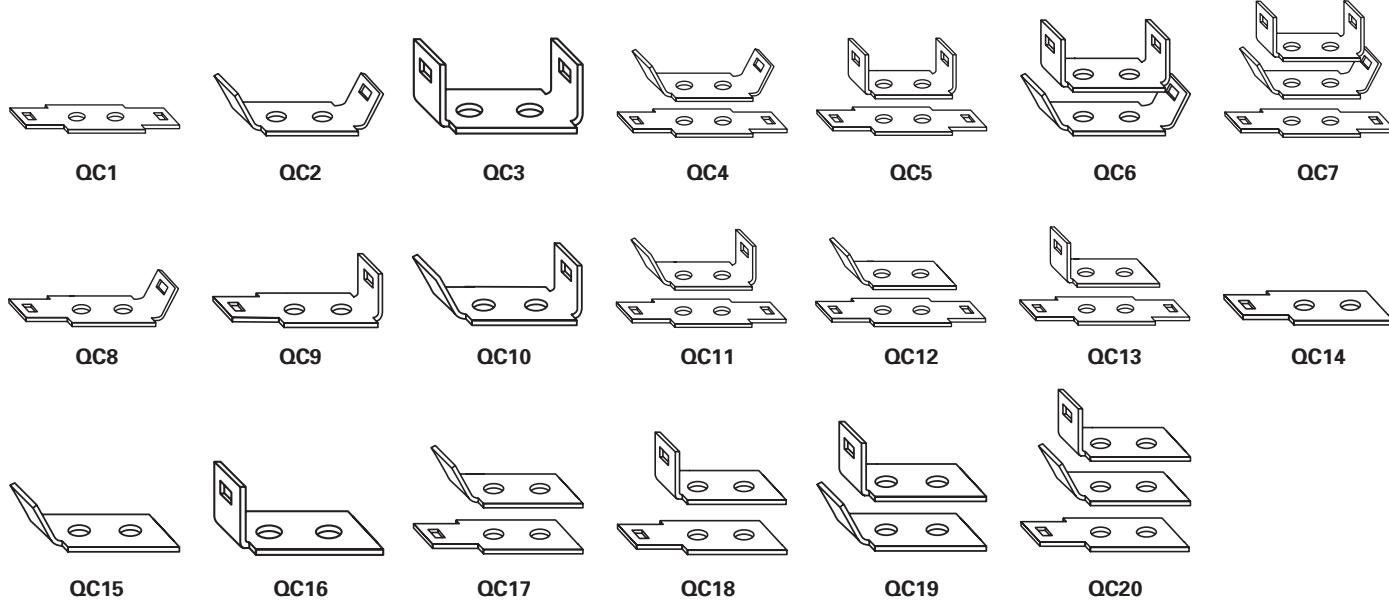
SP
Steel SEMS phil-slot zinc-plated
- B001-7017-J (TB300 bulk)
- B001-5774-J (TB346 bulk)



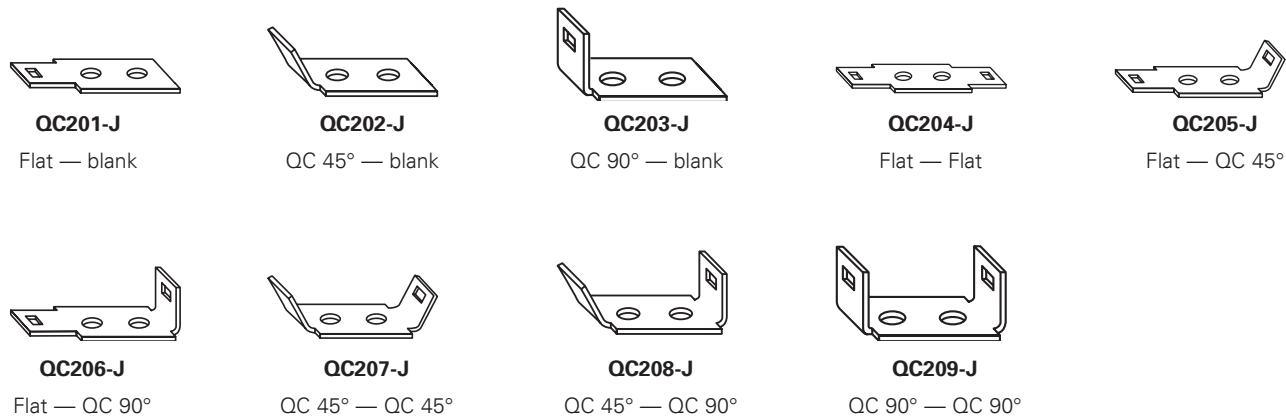
ST
Stainless steel phil-slot
- B001-7063-J (TB300 bulk)
- B001-7064-J (TB345 bulk)

Hardware options

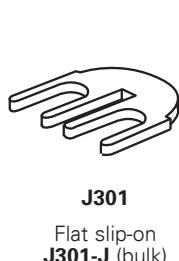
Quick-connects — assembled: TB300 only; 0.25" x 0.031" terminals, 20 amps maximum. For other orientations, contact factory.



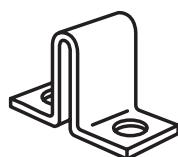
Quick-connects — bulk: *TB300 only; minimum order 100 pieces per catalog number.



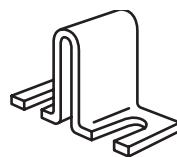
Jumpers — bulk: TB300 only; minimum order 100 pieces per catalog number. Contact factory for jumper assembly.



J301
Flat slip-on
J301-J (bulk)



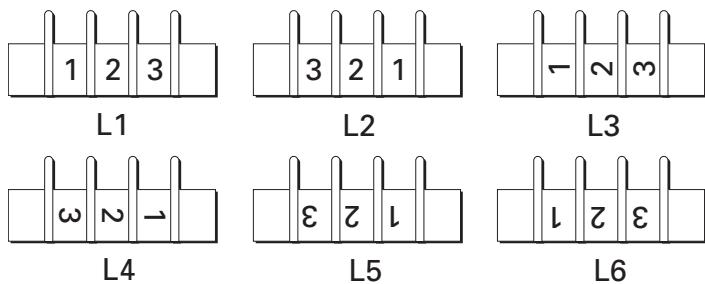
OJ6
Closed over barrier
OJ6-J (bulk)



OJ11
Slip-on over barrier
OJ11-J (bulk)

Marking options and covers for double row terminal blocks

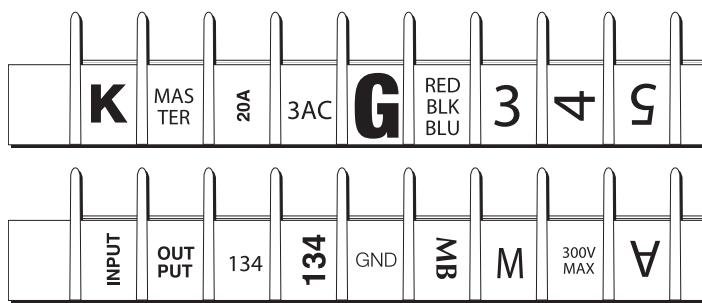
Standard marking



Standard markings are applied directly to the side(s) of a block. The standard marking color is white. The standard numeral height is 0.125 inches (3mm).

Note: Blocks marked on both sides require a different code for each side. Example: Style L1 on one side of the block requires Style L2 on the other side to ensure common terminal marking. To order, add appropriate suffix (L1, L2, L3, L4, L5 and/or L6) to block catalog number in the proper sequence.

Special marking*

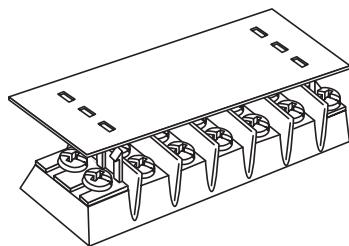


Special markings are available at an additional charge. Drawing(s) must be submitted to ensure accuracy of part required. Consult factory for price and delivery.

* Not available on TB400 products

Covers

(must be ordered separately)



Covers prevent personnel, screws and foreign items from contacting live terminals, and are available in white (opaque) or clear plastic. Two cover clips are supplied with each cover. The cover width is 1.31 inches (33mm). Example: 10 position cover, white, TB100 = catalog number X12010.

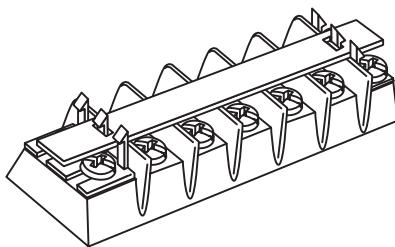
Cover catalog number build-a-code[†]

Symbol	Cover strip [†]	Poles	High barrier option only
X			
119	TB100 - clear	02 to 36 (TB100)	HB = High barrier ^{††}
120	TB100 - white	02 to 30 (TB200/TB200HB)	
219	TB200/TB200HB - clear	02 to 24 (TB300/TB345)	
220	TB200/TB200HB - white		
319	TB300/TB345 - clear		
320	TB300/TB345 - white		

† Cover strip not available for TB400 products.

†† Applicable to X219 and X220 only.

Cover clips — bulk

Top marker strips
(order separately from blocks)


Top mounting marker strips must be ordered separately and are only available in white (opaque) plastic. Two cover clips are supplied with each marker strip.

Example: 12 position cover, TB200, 0.032" x 0.312" = catalog number X20312.

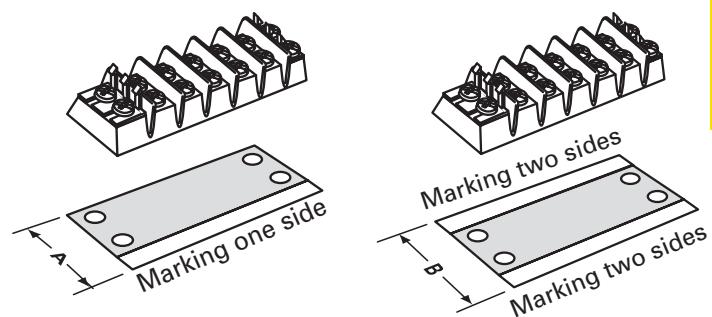
Example: 12 position cover, TB200HB, 0.06" x 0.50" = catalog number X23312HB.

Top marker strip catalog number build-a-code

Series	Top marker strip [†]	Poles	High barrier option only
X			
103 = TB100 (0.032 thk x 0.312 w)	02 to 36 (TB100)	HB = High barrier ^{††}	
133 = TB100 (0.060 thk x 0.500 w)	02 to 30 (TB200/TB200HB)		
203 = TB200/TB200HB (0.032 thk x 0.312 w)	02 to 24 (TB300/TB345)		
233 = TB200/TB200HB (0.060 thk x 0.500 w)			
303 = TB300/TB345 (0.032 thk x 0.380 w)			
333 = TB300/TB345 (0.060 thk x 0.500 w)			

[†] Marking strips not available for TB400 products

^{††}Applicable to X203 and X233 only.

Bottom marker strips
(order separately from blocks)


Bottom mounting marker strips are made of 0.03" thick black PVC. Space is available along the edge to handle most marking needs. All marker strips must be ordered separately.

To order, specify catalog number and required marking orientation. Example: 13 position strip, TB100 with no markings, space for marking one side = catalog number X10513. Consult factory for specials.

Standard numeral height is 0.125". Standard markings are 0-99. Special markings are available on special order. Drawing(s) must be submitted to ensure accuracy of part required.

Dimensions — in

Dim.	For TB block					
	TB100	TB200	TB200HB	TB300	TB345	TB400
A	1.13	1.37	1.62	1.58	1.58	N/A
B	1.38	1.62	1.81	1.81	1.81	N/A

Bottom marker strip catalog number build-a-code

Symbol	Bottom Marker Strip [†]	Poles	Marking orientation
X			
101 = TB100 marking both sides	02 to 36 (TB100)		BF = Bottom forward
105 = TB100 marking one side	02 to 30 (TB200/TB200HB)		BR = Bottom reverse
201 = TB200 marking both sides	02 to 24 (TB300/TB345)		TF = Top forward
205 = TB200 marking one side			TR = Top reverse
291 = TB200HB marking both sides			
295 = TB200HB marking one side			
301 = TB300 and TB345 marking both sides			
305 = TB300 and TB345 marking one side			

[†] Not available for TB400 products.

TB400 double row terminal blocks

Ratings

- Volts 600 V
- Amps 75 A
- Breakdown voltage 7500 V



TB400-05

Agency information

- UL File E62622, CSA File 47235; IEC Compliance

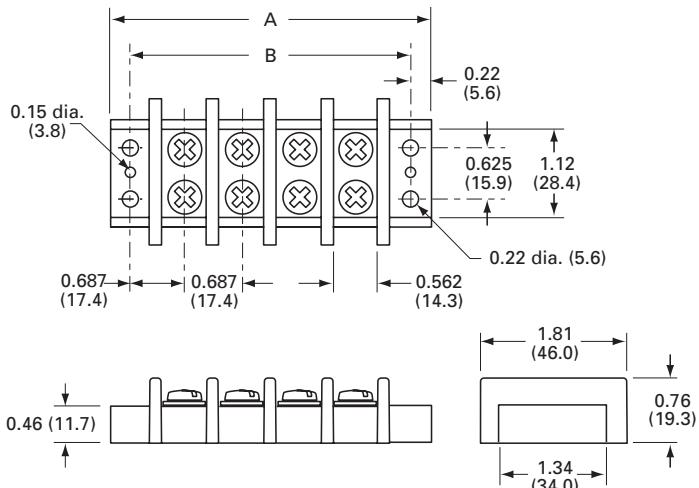
Specifications

- Poles: 2 to 12
- Wire range: 6-14 AWG Cu
- Center spacing: 0.687" or 11/16" (17mm)
- Distance between barriers: 0.56" (14mm)
- Screw size: #10-32 phil-slot screws
- Torque rating: 20 lb-in
- Mounting: #10 screws
- Operating temperature: -40°C to 130°C (-40°F to 266°F)

Materials

- Molded black thermoplastic base, UL rated 94V0
- Tin-plated brass terminals
- Zinc-plated steel screws

Dimensions — in



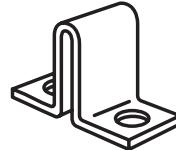
Poles	A	B	Poles	A	B	Poles	A	B
02	2.51	2.06	06	5.26	4.81	10	8.01	7.56
03	3.20	2.75	07	5.95	5.50	11	8.70	8.25
04	3.89	3.44	08	6.64	6.19	12	9.39	8.94
05	4.58	4.13	09	7.33	6.88			

1" = 25.4mm.

Screw options

Brass nickel-plated phil-slot
B500-023-028-J (bulk)Stainless steel phil-slot
B001-7064-J (bulk)

Hardware options

**OJ14**: Closed over barrier
OJ14-J (bulk)

Catalog number build-a-code

Symbol	Poles	Screw options
TB400	—	

02 to 12 Blank = Zinc-plated steel phil-slot

00 = Screws shipped bulk

B = Nickel-plated brass phil-slot

ST = Stainless steel, phil-slot

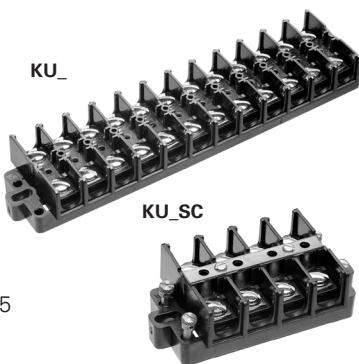
Accessories

- **OJ14** - Jumper over barrier, consult factory for pole configuration

KU double row terminal blocks
Ratings

- Volts 600 V
- Amps 60 A*

* 60 A rating achieved with 6 AWG Cu wire crimped to ring terminal.


Agency information

- UL File E62622, CSA File 47235

Specifications

- Poles: 2 to 12
- Wire range: 6-22 AWG Cu
- Center spacing: 0.625" (16mm)
- Screw size: #10-32
- Torque rating: 20 lb-in
- Distance between barriers: 0.437" (11mm)
- Mounting: Panel mount
- Operating temperature: 105°C (221°F) max.

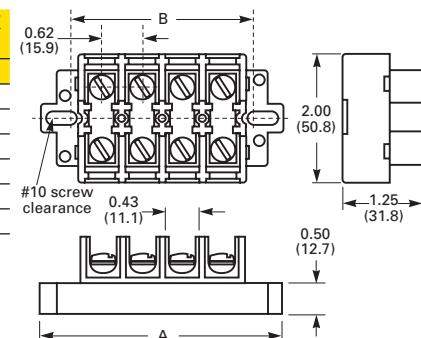
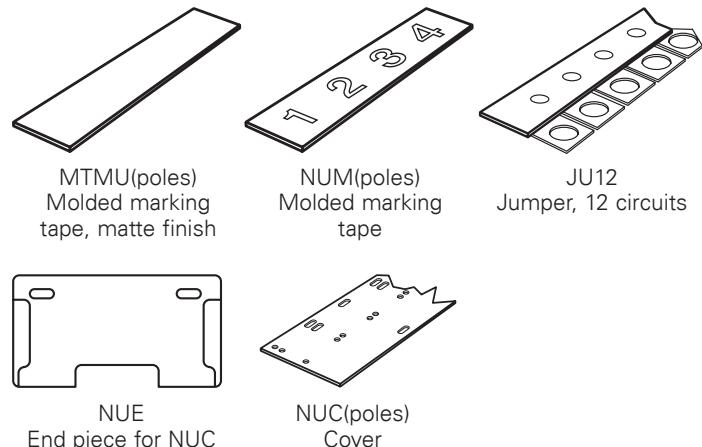
Materials

- Molded black Noryl base, UL rated 94V1
- Terminal plating: Nickel-plated brass terminals
- Zinc-plated steel screws

Dimensions — in

Poles	KU			KUX only
	A	B	A	
02	2.50	1.62	2.00	
04	3.75	2.87	3.25	
06	5.00	4.12	4.50	
08	6.25	5.37	5.75	
10	7.50	6.62	7.00	
12	8.75	7.87	8.25	

1" = 25.4mm.


Accessories (order separately)

Catalog number build-a-code - KU versions

Symbol / for	Poles	Screw options	Covers	Marking strip
KU / Standard block	2 4 6 8 10 12	00 = Screws shipped bulk BP = Brass phil-slot, nickel-plated P = Steel screw w/pressure plate zinc-plated W = Brass washer head, nickel-plated	WC = Top cover and 2 end plates	MT = Matte finish NU = Numbered 1 to 12, horizontal NUV = Numbered 1 to 12, vertical PT = Marker strip for cover†
KUX / Short block				
KURL / Standard w/removable link				
KUXRL / Short block w/removable link				

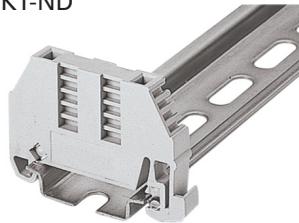
Catalog number build-a-code - KU_SC versions

Symbol / for	Poles	Screw options	Covers	Marking strip
KUSC / Standard w/shorting strap and 4 shorting screws	2 4 6 8 10 12	00 = Screws shipped bulk BP = Brass phil-slot, nickel-plated P = Steel screw w/pressure plate, zinc-plated W = Brass washer head, nickel-plated	WC = Top cover and 2 end plates	PT = Marker strip for cover†
KUXSC / Short block w/shorting strap and 4 shorting screws				

† Requires WC cover option

End brackets

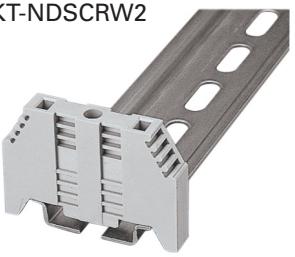
BRKT-ND


 Use with
DRL35MMHI
DRL35MMLO

BRKT-NDSCRW

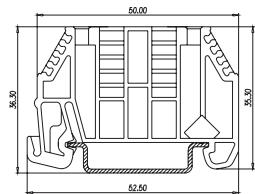
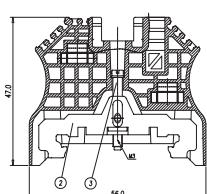
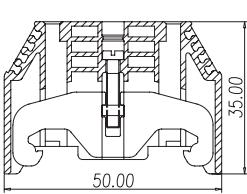
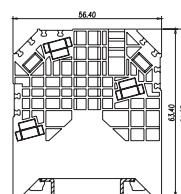

 Use with
DRL35MMHI
DRL35MMLO

BRKT-NDSCRW2


 Use with
DRL35MMHI
DRL35MMLO

BRKT-NDSCRW3


 Use with
DRL35MMHI
DRL35MMLO

Dimensions — mm

Dimensions — mm

Dimensions — mm

Dimensions — mm

Mounting rails and brackets

DRL35MMLO*

 Low profile
35mm DIN-Rail


DRL35MMHI*

 High profile
35mm DIN-Rail


NFTA**

C-Rail



NRA**

C-Rail



BRKT-ANGL

Angle bracket



BRKT-FLT

Flat bracket



* Available in 1 meter lengths only.

**Cut-to-length. Consult your Bussmann series product representative for details.

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[X11910](#) [X12007](#) [X31904](#) [X31908](#) [X31924](#) [OJ11/J](#) [OJ12/J](#) [OJ14/J](#)