

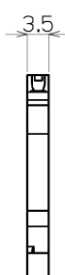
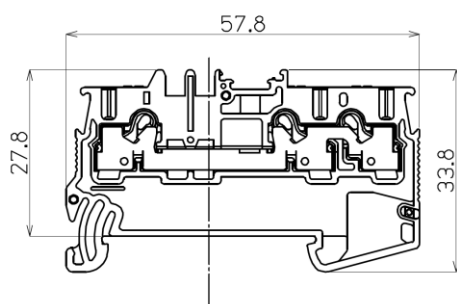
Spring-Lock type Terminal Block

VTX-1.5/3

TOYOGI TOYOGIKEN CO.,LTD.



- Spring-Lock type
- 1.5mm²/17.5A/500V
- 3.5mm wide
- Easy to remove connected wire with a release button.
- No retightening is required.
- IEC/DIN35mm rail mount
- Insulation material:Nylon (UL94V-0)



General Data

Sales lot	100
Minimum order quantity	100
Weight per Piece	4.8g
Size (D:from top of the rail)	W 3.5mm x H 57.8mm x D 27.8mm
HS code	8536.90
Country of origin	Japan

Material

	Material	Flammability rating	Material group
Body	66Nylon	UL94V-0	I
Release Button	66Nylon	UL94V-0	III

Body Color and Part No.

	Gray	: VTX-1.5/3		Red	: VTX-1.5/3R
	Blue	: VTX-1.5/3BL		Orange	: VTX-1.5/3O
	Black	: VTX-1.5/3BK			

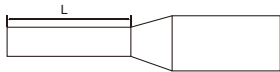


*Product appearance and specifications are subject to change without notice.

Spring-Lock type Terminal Block

VTX-1.5/3**TDG TOYOGIKEN CO.,LTD.****Specification**

Standard	IEC/EN	60947-7-1
		TÜV Certificate No. R50413013
	JIS	C 8201-7-1
	NECA	C 2811

Rated voltage	IEC/JIS	500V	NECA	500V
Rated current	IEC/JIS	17.5A	NECA	17.5A
Withstand voltage	IEC/JIS	1890V	NECA	2500V
Rated cross-section	1.5mm ²			
Overvoltage category	Ⅲ			
Rated impulse withstand voltage	6kV			
Pollution degree	3			
IP code	IP2X			
Insulation resistance	200MΩ or more (DC500V)			
Ambient temperature	-25°C~+60°C (No freezing and condensations)			
Relative humidity	45%~85%			

Applicable wire size	Cross section	L
Ferrule with plastic sleeve 	0.14mm ² -0.34mm ² 0.5mm ² -0.75mm ²	10mm 8mm
Stranded 	0.08mm ² -1.5mm ²	10mm-11mm
Solid 	Φ0.5mm ² -Φ1.6mm ²	10mm-11mm

*Stranded and Solid: Insulation Outer Diameter ≤Φ3.2mm

Approval

UL1059 / C22.2 No.158 File No. : E113585

		Use group[B, C]	Use group[D]
Rated voltage		300V	600V
Rated current		13A(Str.)/10A(Sol.)	13A(Str.)/10A(Sol.)
Wire range	Ferrule with plastic sleeve	AWG26-AWG18	
	Stranded	AWG28-AWG16	
	Solid	AWG28-AWG14	

Spring-Lock type Terminal Block

VTX-1.5/3**TOYOGIEN** TOYOGIKEN CO.,LTD.**Accessory**

End plate (for insulating conductive part)	VTX-1.5/3E
End plate (for holding a nameplate)	VTX-1.5/3E1
Stopper	SDV-3, GTY18
Nameplate (top)	AM-10, AR-10
Nameplate (side)	AP-6.5, AR-6.5

Rail

Aluminum rail	DAV4-1000, DAV4-2000
	DAV5-1000, DAV5-2000
	DAV5S-1000, DAV5S-2000
	DAS4-1000, DAS4-2000
	DAS5-1000, DAS5-2000
Aluminum rail (Not Anodizing) *Short-time withstand current(1s): 4.2kA	DAV4-1000(NA), DAV4-2000(NA)
	DAV5-1000(NA), DAV5-2000(NA)

Spring-Lock type Terminal Block

VTX-1.5/3**TDGI TOYOGIKEN CO.,LTD.****Assembled Terminal Blocks**

- Factory-assembled and shipped

•Part No.

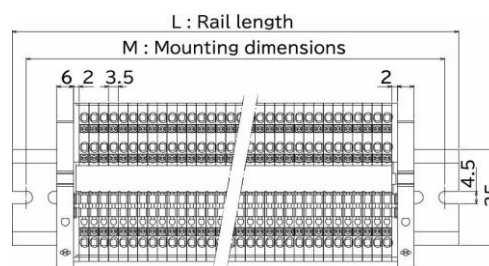
VTXL-1.5/3[Color]-□P

[Color]: BL=Blue, R=Red, O=Orange, BK=Black, Nothing=Gray

□: Number of Terminal blocks

Components

Terminal block	VTX-1.5/3[Color]
End plate	VTX-1.5/3E,VTX-1.5/3E1
Stopper	SDV-3
Nameplate	AR-10
Rail	DAV4




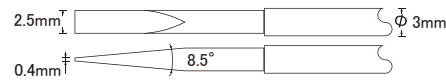

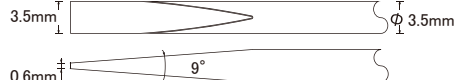

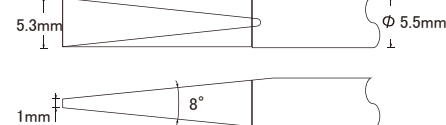
□P	L(mm)	M(mm)
1-2	40	30
3-8	60	50
9-14	80	70
15-19	100	90
20-25	120	110
26-31	140	130
32-36	160	150
37-42	180	170
43-48	200	190
49-54	220	210
55-59	240	230
60-65	260	250
66-71	280	270
72-76	300	290
77-82	320	310
83-88	340	330
89-94	360	350
95-99	380	370
100-105	400	390
106-111	420	410
112-116	440	430
117-122	460	450
123-128	480	470
129-134	500	490

□P	L(mm)	M(mm)
135-139	520	510
140-145	540	530
146-151	560	550
152-156	580	570
157-162	600	590
163-168	620	610
169-174	640	630
175-179	660	650
180-185	680	670
186-191	700	690
192-196	720	710
197-202	740	730
203-208	760	750
209-214	780	770
215-219	800	790
220-225	820	810
226-231	840	830
232-236	860	850
237-242	880	870
243-248	900	890
249-254	920	910
255-259	940	930
260-265	960	950
266-271	980	970
272-275	1000	990

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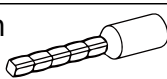
VTX-1.5/3**TOGI TOYOGIKEN CO.,LTD.****Tool****•Flat head screw driver**

for VTX-1.5, VTX-2	VT5-0
for VTX-2.5, VTX-4, VTX-6	VT5-1
for VTX-10, VTX-16	VT5-2

VT5-0 	
VT5-1 	
VT5-2 	

※If use screwdrivers other than the ones above, use the screwdrivers comply with DIN5264.

•Crimping Plier for Ferrules

Part No.	Applicable wire range	Crimp form
TA-540	0.14mm ² ~ 16mm ²	square crimp form 
	AWG26 ~ AWG5	



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VTX-1.5/3**TOGI TOYOGIKEN CO.,LTD.****Ferrule**

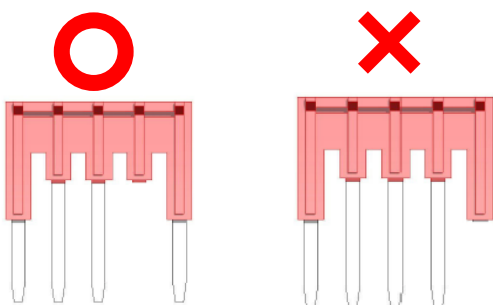
Part No.	Cross section (mm ²)	Length (mm)	VTX/VTXW							
			1.5	2	2.5	4	6	10	16	
TA0.25-10YE		0.25	10	●	●					
TA0.25-12BU		0.25	12			●	●			
TA0.34-10TQ		0.34	10	●	●					
TA0.34-12TQ		0.34	12			●	●			
TA0.5-8WH		0.5	8	●	●					
TA0.5-8WH-GB	GB	0.5	8		●					
TA0.5-10WH-GB	GB	0.5	10			●	●			
TA0.5-10WH		0.5	10			●	●			
TAW0.5-10WH	W	0.5	10			●	●			
TA0.5-10OG		0.5	10			●	●			
TA0.5-12WH		0.5	12					●		
TA0.75-8GY		0.75	8	●	●					
TA0.75-8GY-GB	GB	0.75	8		●					
TA0.75-10WH		0.75	10			●	●			
TA0.75-10GY-GB	GB	0.75	10			●	●			
TA0.75-10GY		0.75	10			●	●			
TAW0.75-10GY	W	0.75	10				●			
TA0.75-12GY		0.75	12					●		
TA1-8RD		1	8		●					
TA1-10YE		1	10			●	●			
TA1-10RD		1	10			●	●			
TA1-10RD-GB	GB	1	10			●	●			
TAW1-10RD	W	1	10				●			
TA1-12RD		1	12					●		
TA1.5-8BK		1.5	8		●					
TA1.5-10BK-GB	GB	1.5	10			●	●			
TA1.5-10BK		1.5	10			●	●			
TA1.5-10RD		1.5	10			●	●			
TA1.5-12BK		1.5	12					●		
TAW1.5-12BK	W	1.5	12					●		
TA2.5-10BU		2.5	10			●	●			
TA2.5-12BU		2.5	12					●		
TA4-10GY		4	10				●			
TA4-12GY		4	12					●		
TA4-18GY		4	18						●	●
TA6-12YE		6	12					●		
TA6-12BK		6	12					●		
TA6-18YE		6	18						●	●
TA10-18RD		10	18						●	●
TA16-18BU		16	18							●

Spring-Lock type Terminal Block

VTX-1.5/3**TDGI TOYOGIKEN CO.,LTD.****Short bar**

Part No.				Number of poles	Rated voltage (V)	Rated current (A)	Compatible Series
Black	Red	Gray	Blue				
BBX1.5-2	RBX1.5-2	GBX1.5-2	BLBX1.5-2	2	500	17.5	VTX(W)-1.5
BBX1.5-3	RBX1.5-3	GBX1.5-3	BLBX1.5-3	3			
BBX1.5-4	RBX1.5-4	GBX1.5-4	BLBX1.5-4	4			
BBX1.5-5	RBX1.5-5	GBX1.5-5	BLBX1.5-5	5			
BBX1.5-10	RBX1.5-10	GBX1.5-10	BLBX1.5-10	10			
BBX1.5-20	RBX1.5-20	GBX1.5-20	BLBX1.5-20	20			
BBX2-2	RBX2-2	GBX2-2	BLBX2-2	2	500	24	VTX(W)-2
BBX2-3	RBX2-3	GBX2-3	BLBX2-3	3			
BBX2-4	RBX2-4	GBX2-4	BLBX2-4	4			
BBX2-5	RBX2-5	GBX2-5	BLBX2-5	5			
BBX2-10	RBX2-10	GBX2-10	BLBX2-10	10			
BBX2-20	RBX2-20	GBX2-20	BLBX2-20	20			
BBX2.5-2	RBX2.5-2	GBX2.5-2	BLBX2.5-2	2	800	24	VTX(W)-2.5
BBX2.5-3	RBX2.5-3	GBX2.5-3	BLBX2.5-3	3			
BBX2.5-4	RBX2.5-4	GBX2.5-4	BLBX2.5-4	4			
BBX2.5-5	RBX2.5-5	GBX2.5-5	BLBX2.5-5	5			
BBX2.5-10	RBX2.5-10	GBX2.5-10	BLBX2.5-10	10			
BBX2.5-20	RBX2.5-20	GBX2.5-20	BLBX2.5-20	20			
BBX4-2	RBX4-2	GBX4-2	BLBX4-2	2	800	32	VTX(W)-4
BBX4-3	RBX4-3	GBX4-3	BLBX4-3	3			
BBX4-4	RBX4-4	GBX4-4	BLBX4-4	4			
BBX4-5	RBX4-5	GBX4-5	BLBX4-5	5			
BBX4-10	RBX4-10	GBX4-10	BLBX4-10	10			
BBX4-20	RBX4-20	GBX4-20	BLBX4-20	20			
BBX6-2	RBX6-2	GBX6-2	BLBX6-2	2	1000	41	VTX-6
BBX6-3	RBX6-3	GBX6-3	BLBX6-3	3			
BBX6-4	RBX6-4	GBX6-4	BLBX6-4	4			
BBX6-5	RBX6-5	GBX6-5	BLBX6-5	5			
BBX6-6	RBX6-6	GBX6-6	BLBX6-6	6			
BBX6-10	RBX6-10	GBX6-10	BLBX6-10	10			
BBX10-2	RBX10-2	GBX10-2	BLBX10-2	2	1000	57	VTX-10
BBX10-5	RBX10-5	GBX10-5	BLBX10-5	5			
BBX16-2	RBX16-2	GBX16-2	BLBX16-2	2	1000	76	VTX-16

•Position-skipping



- Please be careful not to break resin parts of a short bar during processing.
- Do not cut bars at the ends.
- Rated voltage 600V when skipping poles at VTX(W)-2.5, VTX(W)-4 and VTX-6.

VTX Series

Spring-Lock type Terminal Block

VTX-1.5/3

3D view available in PDF by Acrobat Reader
