

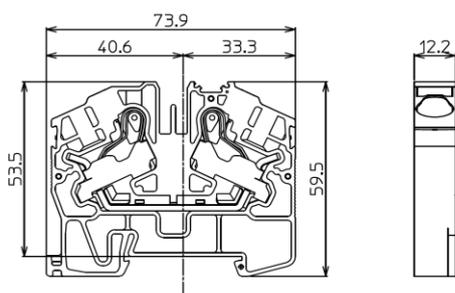
Spring-Lock type Terminal Block

VTX-16/2

TOGI TOYOGIKEN CO.,LTD.



- Spring-Lock type
- 16mm²/76A/1000V
- 12.2mm 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	20
Minimum order quantity	20
Weight per Piece	44.5g
Size (D:from top of the rail)	W 12.2mm x H 73.9mm x D 53.5mm
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-16/2		Red	: VTX-16/2R
	Blue	: VTX-16/2BL		Orange	: VTX-16/2O
	Black	: VTX-16/2BK			

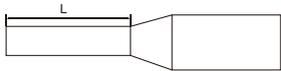
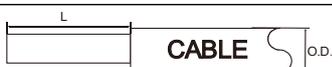
*Product appearance and specifications are subject to change without notice.

Spring-Lock type Terminal Block

VTX-16/2**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	1000V	NECA	600V
Rated current	IEC/JIS	76A	NECA	76A
Withstand voltage	IEC/JIS	2200V	NECA	2500V
Rated cross-section	16mm ²			
Overvoltage category	Ⅲ			
Rated impulse withstand voltage	8kV			
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 	1.25mm ² -16mm ²	18mm
Stranded 	0.5mm ² -16mm ²	19mm-21mm
Solid 	Φ0.5mm ² -Φ3.2mm ²	19mm-21mm

*Stranded and Solid: Insulation Outer Diameter <Φ10.5mm

Approval

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

		Use group[B, C]	Use group[D]
Rated voltage		600V	-
Rated current		76A	-
Wire range	Ferrule with plastic sleeve	AWG16-AWG6	
	Stranded	AWG20-AWG4	
	Solid	AWG20-AWG10	

Spring-Lock type Terminal Block

VTX-16/2***TOGI* TOYOGIKEN CO.,LTD.****Accessory**

End plate (for insulating conductive part)	VTX-16/2E
End plate (for holding a nameplate)	VTX-16/2E1
Stopper	GTY34
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-16/2**TDGI TOYOGIKEN CO.,LTD.****Assembled Terminal Blocks**• **Factory-assembled and shipped**

• Part No.

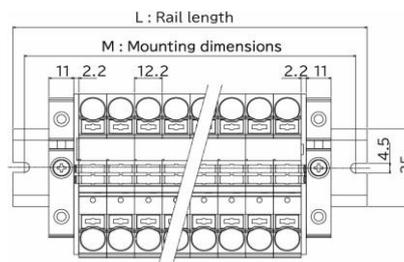
VTXL-16/2[Color]-□P

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

□: Number of Terminal blocks

Components

Terminal block	VTX-16/2[Color]
End plate	VTX-16/2E,VTX-16/2E1
Stopper	GTY34
Nameplate	AR-10
Rail	DAV4



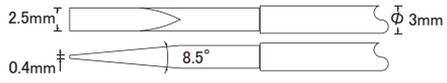
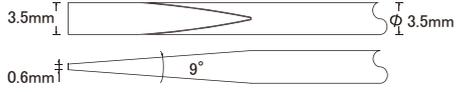
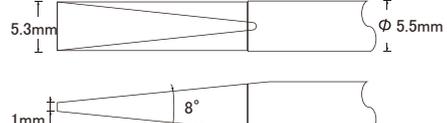
□P	L(mm)	M(mm)
N/A	40	30
1	60	50
2-3	80	70
4	100	90
5-6	120	110
7-8	140	130
9	160	150
10-11	180	170
12-13	200	190
14	220	210
15-16	240	230
17	260	250
18-19	280	270
20-21	300	290
22	320	310
23-24	340	330
25-26	360	350
27	380	370
28-29	400	390
30-31	420	410
32	440	430
33-34	460	450
35	480	470
36-37	500	490

□P	L(mm)	M(mm)
38-39	520	510
40	540	530
41-42	560	550
43-44	580	570
45	600	590
46-47	620	610
48-49	640	630
50	660	650
51-52	680	670
53	700	690
54-55	720	710
56-57	740	730
58	760	750
59-60	780	770
61-62	800	790
63	820	810
64-65	840	830
66-67	860	850
68	880	870
69-70	900	890
71-72	920	910
73	940	930
74-75	960	950
76	980	970
77-78	1000	990

Spring-Lock type Terminal Block

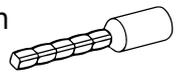
VTX-16/2**TOGI TOYOGIKEN CO.,LTD.****Tool****•Flat head screw driver**

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-16/2**TOGI TOYOGIKEN CO.,LTD.****Ferrule**

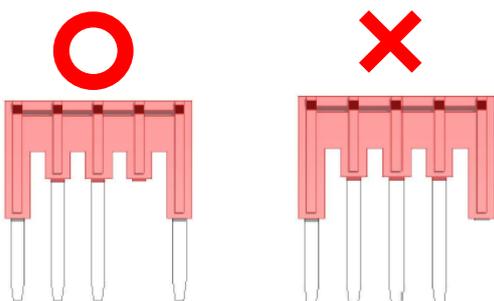
Part No.	Cross section (mm ²)	Length (mm)	VTX/VTXW							
			1.5	2	2.5	4	6	10	16	
TA0.25-10YE		0.25	10	●	●					
TA0.25-12BU		0.25	12			●	●			
TA0.34-10TQ		0.34	10	●	●					
TA0.34-12TQ		0.34	12			●	●			
TA0.5-8WH		0.5	8	●	●					
TA0.5-8WH-GB	GB	0.5	8		●					
TA0.5-10WH-GB	GB	0.5	10			●	●			
TA0.5-10WH		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-16/2**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-16/2

3D view available in PDF by Acrobat Reader
