

Rating

Model No.	Rated voltage	Applicable wire / Rated current			Terminal screw	Tightening torque
PT-20	800V	1.25mm ² 16A	2mm ² 22A		M3.5×8L ±terminal screw with SP	0.8~ 1.4N·m
PT-30	1000V	1.25mm ² 15A	2mm ² 22A	3.5mm ² 30A	M4×10L ±terminal screw with SP	1.2~ 1.8N·m
PT-40		3.5mm ² 30A		5.5mm ² 40A	M4×10L ±terminal screw with SP	1.2~ 1.8N·m
PT-80		5.5mm ² 40A	8mm ² 50A	14mm ² 75A	M5×12L ±terminal screw with SP	2.0~ 3.0N·m
PT-90		(8mm ²) (50A)	14mm ² 75A	22mm ² 95A	M6×14L ±terminal screw with SP	2.5~ 3.7N·m
PT-150		22mm ² 95A	38mm ² 132A	60mm ² 175A	M8×16L ±hexagon bolt with SP, PW	6.0~ 9.0N·m
PT-200		38mm ² 132A	60mm ² 175A	100mm ² 240A	M10×20L ±hexagon bolt with SP, PW	10.0~ 14.7N·m
PT-300		60mm ² 175A	100mm ² 240A	150mm ² 310A	M10×25L ±hexagon bolt with SP, PW	10.0~ 14.7N·m
PT-400		100mm ² 240A	150mm ² 310A	200mm ² 400A	M12×30L ±hexagon bolt with SP, PW	14.0~ 20.6N·m
PT-600		150mm ² 310A	200mm ² 400A	325mm ² 600A	M16×35L ±hexagon bolt with SP, PW	25.0~ 37.3N·m

※ (): It is possible to wire with applicable solderless terminal which is non-standard JIS.

Rating of certified products

Withstand voltage: 2200V / 1min
Ambient temperature: -25~+60°C



File No.LR109308



File No.E113585

Model No.	Approval	Rated voltage (V)	Rated current (A)	Wire range (AWG)	Certification No.fi
PT-20	UL,CSA	600	20	20~14	See File No.
	TÜV		22	20~14	R50110180
PT-30	UL,CSA	600	30	18~12	See File No.
	TÜV		30	18~12	R50110180
PT-40	UL,CSA	600	40	18~10	See File No.
	TÜV		40	18~10	R50110180
PT-80	UL,CSA	600	75	10~6	See File No.
	TÜV		75	12~6	J50110176
PT-90	UL,CSA	600	95	8~4	See File No.
	TÜV		95	10~4	J50110176
PT-150	UL,CSA	600	150	4~2/0	See File No.
	TÜV		160	6~2/0	J50110176
PT-200	UL,CSA	600	200	2~4/0	See File No.
	TÜV	660	200	2~250	J50110176
PT-300	UL,CSA	600	300	2/0~300 (MCM)	See File No.
	TÜV	660	300	1/0~300 (MCM)	J50110176
PT-400	UL,CSA	600	400	4/0~350 (MCM)	See File No.
	TÜV	660	400	3/0~500 (MCM)	J50110176
PT-600	UL,CSA	600	550	300~600 (MCM)	See File No.
	TÜV	660	600	250~600 (MCM)	J5011076

Specifications

Operating situation	Ambient temperature -25°C~+60°C (No freezing or condensation) Relative humidity 45~85%
Temperature rise	35degrees or less at conductive plate
Insulation resistance	200MΩ or more between live parts and between each live part and metal part (DC500V mega)
Power-frequency withstand voltage	PT-20~PT-150 : 3000V (1minute) PT-200~PT-600 : 5000V (1minute)
Impulse withstand voltage	PT-20~PT-150 : 8KV PT-200~PT-600 : 12KV
Applicable standard	JIS C 8201-7-1 NECA C 2811

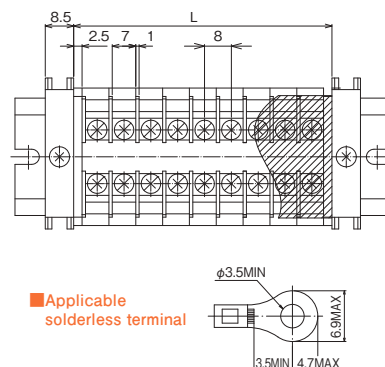
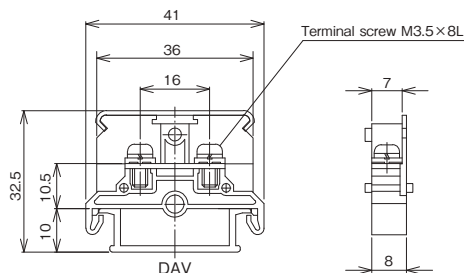
Materials

Body	modified PPE (black)	UL94V-0
Conductive plate	PT-200~600 C2801 The others C2680R (Ni)	
Terminal screw	SWCH (Zn+trivalent chromate-plating)	
End plate	modified PPE (black)	UL94V-0
Cover	PC (clear)	UL94V-0
Name plate	PVC (white)	

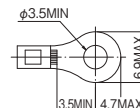
PT-20

M3.5/2mm² 22A

RoHS



■ Applicable
solderless terminal



Rating

Applicable wire / Rated current		UL, CSA	TÜV	Terminal screw	Tightening torque
1.25mm ²	2mm ²	AWG20~14(stranded)	AWG20~14(stranded)	M3.5×8L	0.8~1.4N·m
800V/16A	800V/22A	600V/20A	600V/22A	±terminal screw with SP	

Assembly terminal block

(assembled at the factory and shipped)

Order format:

PTL-20-□P (□ : No. of poles)

Total length of terminal block (L) = Terminal width (8mm) × No. of poles (□P) + End plate × 2 (5mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal length (L)	13	21	29	37	45	56	61	69	77	85	93	101	109	117	125
No. of poles (P)	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Terminal length (L)	133	141	149	157	165	173	181	189	197	205	213	221	229	237	245

See "DAV4 Rail length" at the page 22.

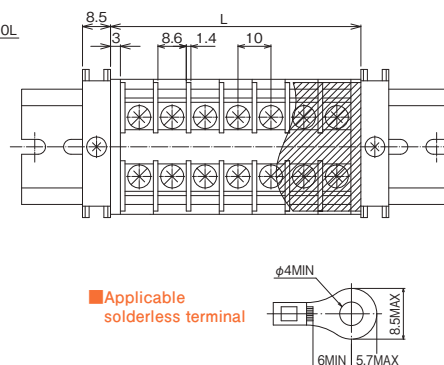
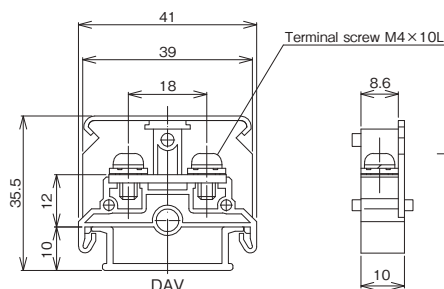
Terminal block	End plate	Cover	Name plate	Rail	Stopper	Short bar
PT-20 (5.85g)	PSL-1 (1.85g)	CA-34 —	AM-10 —	DAV4 —	HDV-1 (17.8g)	SB(R) 8A-※, □B(R) 8A-※ —
Sales lot(100)	Sales lot(100)	Sales lot(20)	Sales lot(50)	Sales lot(100)	Sales lot(100)	—

※Short bar is option.

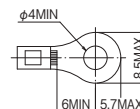
PT-30

M4/3.5mm² 30A

RoHS



■ Applicable
solderless terminal



Rating

Applicable wire/Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
1.25mm ²	2mm ²	3.5mm ²	AWG18~12(stranded)	AWG18~12(stranded)	M4×10L	1.2~1.8N·m
1000V/15A	1000V/22A	1000V/30A	600V/30A	600V/30A	±terminal screw with SP	

Assembly terminal block

(assembled at the factory and shipped)

Order format:

PTL-30-□P (□ : No. of poles)

Terminal length of terminal block (L) = Terminal width (10mm) × No. of poles (□P) + End plate × 2 (6mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal length (L)	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156
No. of poles (P)	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Terminal length (L)	166	176	186	196	206	216	226	236	246	256	266	276	286	296	306

See "DAV4 Rail length" at page 22.

Terminal block	End plate	Cover	Name plate	Rail	Stopper	Short bar
PT-30 (10.75g)	PT-30L2 (2.35g)	CA-36 —	AM-10 —	DAV4 —	HDV-1 (17.8g)	SB(R) 10-※, □B(R) 10-※ —
Sales lot(100)	Sales lot(100)	Sales lot(20)	Sales lot(50)	Sales lot(100)	Sales lot(100)	—

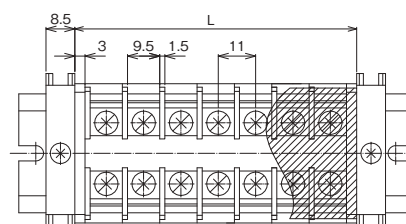
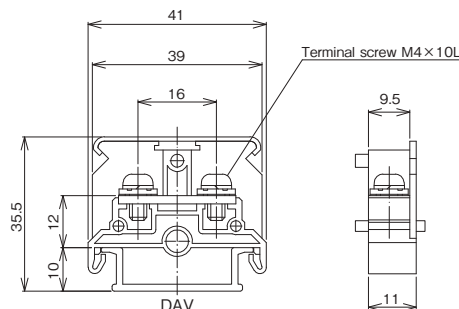
※Short bar is option.

PT-40

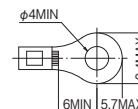
M4/5.5mm² 40A



RoHS



Applicable solderless terminal



Rating

Applicable wire / Rated current		UL, CSA	TÜV	Terminal screw	Tightening torque
3.5mm ²	5.5mm ²	AWG18~10(stranded)	AWG18~10(stranded)	M4×10L	1.2~1.8N·m
1000V/30A	1000V/40A	600V/40A	600V/40A	±terminal screw with SP	

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-40-□P (□ : No. of poles)

Total length of terminal block (L) = Terminal width (11mm) × No. of poles (□P) + End plate × 2 (6mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal length (L)	17	28	39	50	61	72	83	94	105	116	127	138	149	160	171
No. of poles (P)	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Terminal length (L)	182	193	204	215	226	237	248	259	270	281	292	303	314	325	336

See "DAV4 Rail length" at page 22.

Terminal block	End plate	Cover	Name plate	Rail	Stopper	Short bar
PT-40 (11.0g)	PT-40L2 (2.15g)	CA-36	AM-10	DAV4	HDV-1 (17.8g)	SB11-※, □B11-※
Sales lot(100)	Sales lot(100)	Sales lot(20)	Sales lot(50)	Sales lot(100)	Sales lot(100)	—

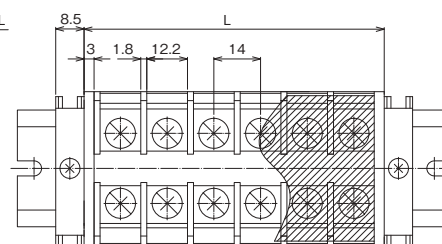
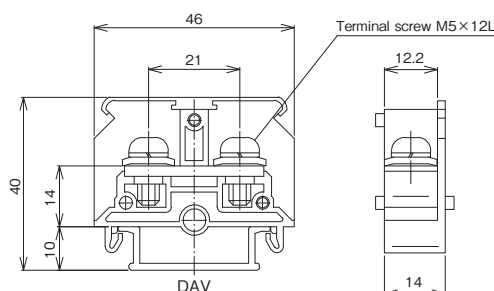
※ Short bar is option.

PT-80

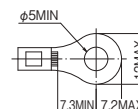
M5/14mm² 75A



RoHS



Applicable solderless terminal



Rating

Applicable wire/Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
5.5mm ²	8mm ²	14mm ²	AWG10~6(stranded)	AWG12~6(stranded)	M5×12L	2.0~3.0N·m
1000V/40A	1000V/50A	1000V/75A	600V/75A	600V/75A	±terminal block with SP	

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-80-□P (□ : No. of poles)

Total length of terminal block (L) = Terminal width (14mm) × No. of poles (□P) + End plate × 2 (6mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal length (L)	20	34	48	62	76	90	104	118	132	146	160	174	188	202	216
No. of poles (P)	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Terminal length (L)	230	244	258	272	286	300	314	328	342	356	370	384	398	412	426

See "DAV4 Rail length" at page 22.

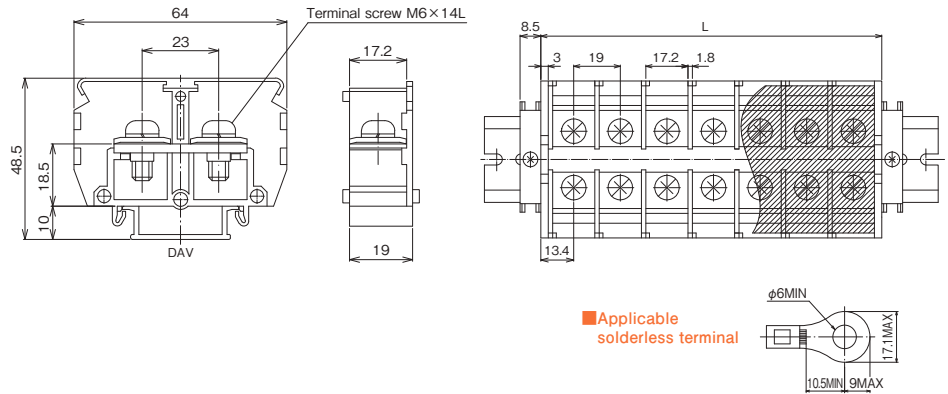
Terminal block	End plate	Cover	Name plate	Rail	Stopper	Short bar
PT-80 (21.2g)	PT-80L (3.35g)	CA-40	AM-10	DAV4	HDV-1 (17.8g)	SB14-※, □B14-※
Sales lot(50)	Sales lot(50)	Sales lot(20)	Sales lot(50)	Sales lot(100)	Sales lot(100)	—

※ Short bar is option.

PT-90

M6/22mm² 95A

RoHS



Rating

Applicable wire/Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
(8mm ²)	14mm ²	22mm ²	AWG8~4 (stranded)	AWG10~4 (stranded)	M6×14L	2.5~3.7N·m
1000V/(50A)	1000V/75A	1000V/95A	600V/95A	600V/95A	±terminal screw with SP	

※ (): It is possible to wire with applicable solderless terminal which is non-standard JIS.

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-90-□P (□ : No. of poles)

Total length of terminal block (L) = Terminal width (19mm) × No. of poles (□P) + End plate × 2 (6mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal length (L)	25	44	63	82	101	120	139	158	177	196	215	234	253	272	291
No. of poles (P)	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Terminal length (L)	310	329	348	367	386	405	424	443	462	481	500	519	538	557	576

See "DAV4 Rail length" at page 22.

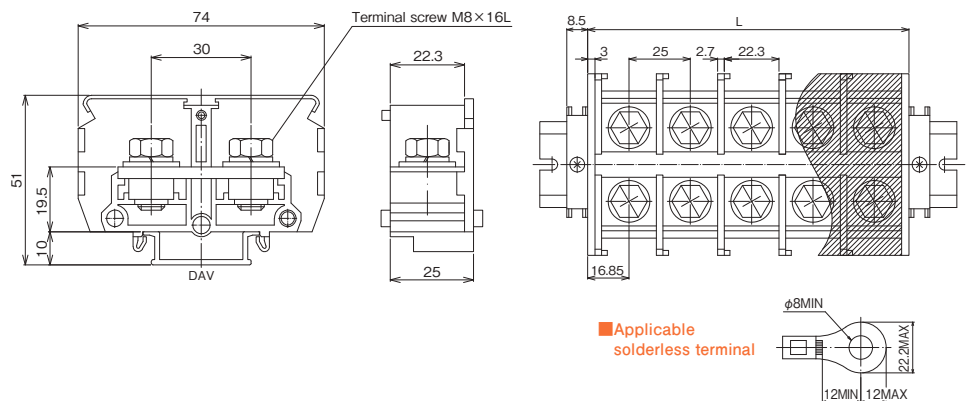
Terminal block	End plate	Cover	Name plate	Rail	Stopper	Short bar
PT-90 (39.2g)	PT-90L (5.6g)	CA-60 —	AM-10 —	DAV4 —	HDV-1 (17.8g)	—
Sales lot(20)	Sales lot(20)	Sales lot(20)	Sales lot(50)	Sales lot(100)	Sales lot(100)	—

※No short bars.

PT-150

M8/60mm² 175A

RoHS



Rating

Applicable wire/Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
22mm ²	38mm ²	60mm ²	AWG4~2/0 (stranded)	AWG6~2/0 (stranded)	M8×16L	6.0~9.0N·m
1000V/95A	1000V/132A	1000V/175A	600V/150A	600V/160A	±hexagon bolt with SP, PW	

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-150-□P (□ : No. of poles)

Total length of terminal block (L) = Terminal width (25mm) × No. of poles (□P) + End plate × 2 (6mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal length (L)	31	56	81	106	131	156	181	206	231	256	281	306	331	356	381
No. of poles (P)	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Terminal length (L)	406	431	456	481	506	531	556	581	606	631	656	681	706	731	756

See "DAV4 Rail length" at page 22.

Terminal block	End plate	Cover	Name plate	Rail	Stopper	Short bar
PT-150 (77.5g)	PT-150L (7.45g)	CA-69 —	AM-10 —	DAV4 —	HDV-1 (17.8g)	—
Sales lot(10)	Sales lot(10)	Sales lot(20)	Sales lot(50)	Sales lot(100)	Sales lot(100)	—

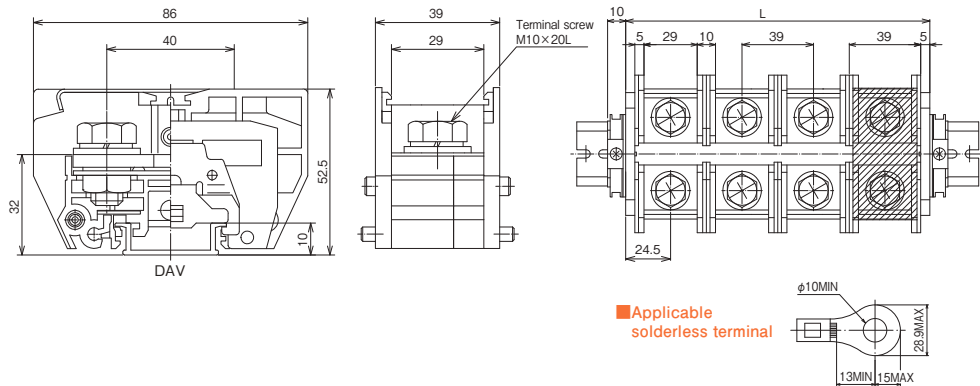
※No short bars.

PT-200

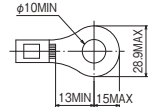
M10/100mm² 240A



RoHS



■ Applicable solderless terminal



Rating

Applicable wire / Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
38mm ²	60mm ²	100mm ²	AWG2~4/0 (stranded)	AWG2~250 (stranded)	M10x20L ±hexagon bolt with SP, PW	10.0~14.7N·m
1000V/132A	1000V/175A	1000V/240A	600V/200A	660V/200A		

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-200※-□P (□ : No. of poles)
 blank : standard cover
 -CP : safety cover

Total length of terminal block (L) = Terminal width (39mm) × No. of poles (□P) + End plate × 2 (10mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10
Terminal length (L)	49	88	127	166	205	244	283	322	361	400

See "DAV4 Rail length" at page 22.

Terminal block	End plate	Standard cover	Safety cover	Name plate	Rail	Stopper	Short bar
PT-200 (184.4g)	PT-200L (9.5g)	CTC-200 —	CTCP-200 —	AP-12 —	DAV4 —	HDV-2 —	—
Sales lot(12)	Sales lot(1)	Sales lot(1)	Sales lot(1)	Sales lot(50)	Sales lot(100)	Sales lot(50)	—

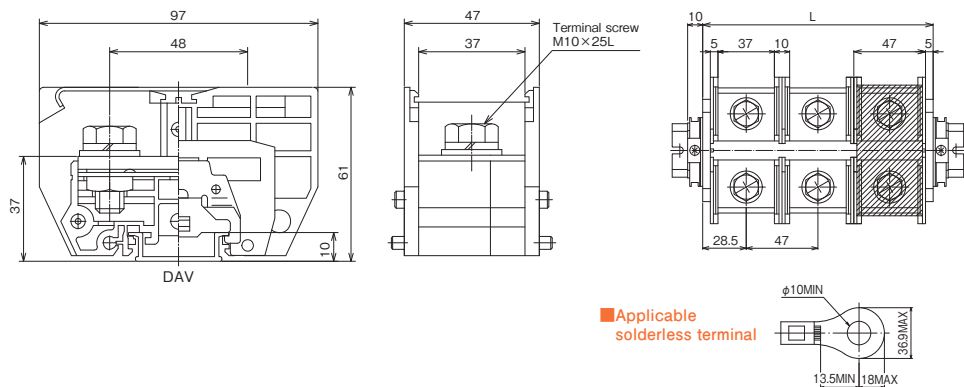
※No short bars.

PT-300

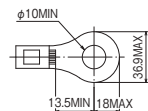
M10/150mm² 310A



RoHS



■ Applicable solderless terminal



Rating

Applicable wire / Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
60mm ²	100mm ²	150mm ²	AWG2/0~300 (MCM) (stranded)	AWG1/0~300 (MCM) (stranded)	M10x25L ±hexagon bolt with SP, PW	10.0~14.7N·m
1000V/175A	1000V/240A	1000V/310A	600V/300A	660V/300A		

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-300※-□P (□ : No. of poles)
 blank : standard cover
 -CP : safety cover

Total length of terminal block (L) = Terminal width (47mm) × No. of poles (□P) + End plate × 2 (10mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10
Terminal length (L)	57	104	151	198	245	292	339	386	433	480

See "DAV4 Rail length" at page 22.

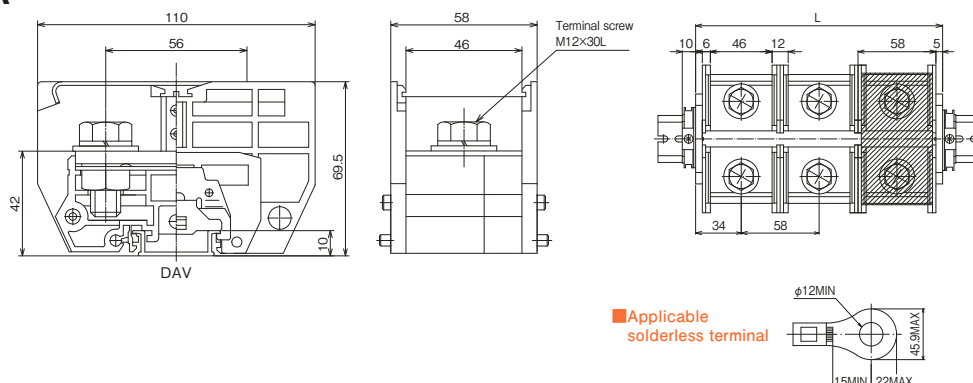
Terminal block	End plate	Standard cover	Safety cover	Name plate	Rail	Stopper	Short bar
PT-300 (258.0g)	PT-200L (9.5g)	CTC-300 —	CTCP-300 —	AP-12 —	DAV4 —	HDV-2 —	—
Sales lot(8)	Sales lot(1)	Sales lot(1)	Sales lot(1)	Sales lot(50)	Sales lot(100)	Sales lot(50)	—

※No short bars.

PT-400

M12/200mm² 400A

RoHS



Rating

Applicable wire/Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
100mm ²	150mm ²	200mm ²	AWG4/0~350 (MCM) (stranded)	AWG3/0~500 (MCM) (stranded)	M12×30L ±hexagon bolt with SP, PW	14.0~20.6N·m
1000V/240A	1000V/310A	1000V/400A	600V/400A	660V/400A		

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-400※-□P (□ : No. of poles)

 blank : standard cover
 -CP : safety cover

 Total length of terminal block (L) = Terminal width (58mm) × No. of poles (□P)
 + End plate × 2 (10mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10
Terminal length (L)	68	126	184	242	300	358	416	474	532	590

See "DAV4 Rail length" at page 22.

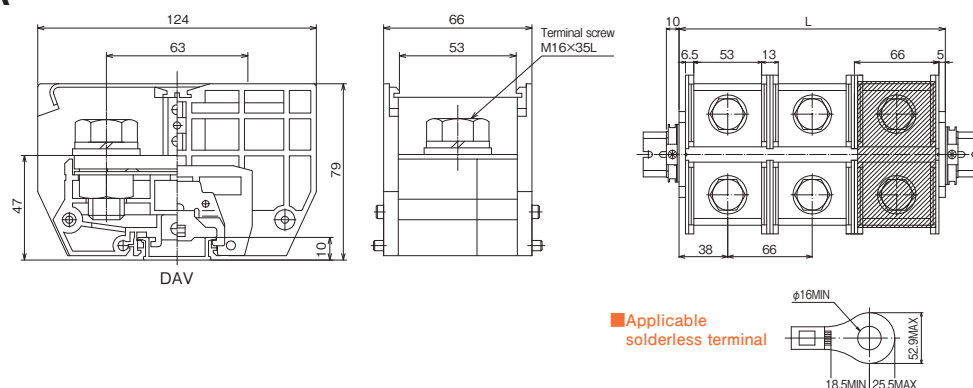
Terminal block	End plate	Standard cover	Safety cover	Name plate	Rail	Stopper	Short bar
PT-400 (405.2g)	PT-200L (9.5g)	CTC-400	CTCP-400	AP-12	DAV4	HDV-2	—
Sales lot(5)	Sales lot(1)	Sales lot(1)	Sales lot(1)	Sales lot(50)	Sales lot(100)	Sales lot(50)	—

※No short bars.

PT-600

M16/325mm² 600A

RoHS



Rating

Applicable wire/Rated current			UL, CSA	TÜV	Terminal screw	Tightening torque
150mm ²	200mm ²	325mm ²	AWG/MCM300~600 (stranded)	AWG/MCM250~600 (stranded)	M16×35L ±hexagon bolt with SP, PW	25.0~37.3N·m
1000V/310A	1000V/400A	1000V/600A	600V/550A	600V/660A		

Assembly terminal

(assembled at the factory and shipped)

Order format:

PTL-600※-□P (□ : No. of poles)

 blank : standard cover
 -CP : safety cover

 Total length of terminal block (L) = Terminal width (66mm) × No. of poles (□P)
 + End plate × 2 (10mm)

No. of poles (P)	1	2	3	4	5	6	7	8	9	10
Terminal length (L)	76	142	208	274	340	406	472	538	604	670

See "DAV4 Rail length" at page 22.

Terminal block	End plate	Standard cover	Safety cover	Name plate	Rail	Stopper	Short bar
PT-600	PT-200L	CTC-600	CTCP-600	AP-12	DAV4	HDV-2	—
Sales lot(3)	Sales lot(1)	Sales lot(1)	Sales lot(1)	Sales lot(50)	Sales lot(100)	Sales lot(50)	—

※No short bars.