Dimensional Class:	**LOW**
Standard Color:	**GREEN**
Height:	1.102 - .748 - .394 in (28.0 - 19.0 - 10.0 mm)
Clamp Opening Size:	.098 x .067 in (2.5 x 1.7 mm)
Wire Diameter:	max. .067 in (2.27 mm²)
Versions:	Modular with Dovetails
Single Mold Poles:	2 and 3
Metric Pitches:	.197 in (5 mm), .394 in (10 mm)
Imperial Pitches:	.200 in (5.08 mm), .400 in (10.16 mm)

Classe Dimensionale:	**BASSA**
Colore Standard:	**VERDE**
Altezza:	28,0 - 19,0 - 10,0 mm
Apertura Introduzione Filo:	2,5 x 1,7 mm
Diametro Filo Inseribile:	max. 1,7 mm (2,27 mm²)
Versioni:	Modulare con incastro a coda di rondine
Vie Monolitiche:	2 e 3
Passi Metrici:	5 mm, 10 mm
Passi in Pollici:	5,08 mm, 10,16 mm

PSB_ _0H1

PSB_ _0H5

PSB_ _0T1

PSB_ _0T2

PSB_ _0K5

PSB_ _0K1

PSB_ _0M2

PSB_ _0M5

PSB_ _0D6

PSB_ _0D1

The PSB multi-level terminal blocks Series called “PLURIMA“ is the most modern wiring and connection compactness solution for printed circuit boards.

The symmetrically offset poles arrangement on 2 and 3 levels guarantees the highest accessibility and good visibility of the connection points.

The 2 and 3 levels blocks are combinable with one another, with the High and Medium Towers and also with the MSB terminal blocks Series in various and unusual geometrical configurations.

The modular PSB Series for printed circuit boards satisfies the user’s mounting needs with the following possibilities:

- using individual single mold terminal blocks in 2 or 3 poles;

- combining single mold 2 and 3 poles terminal blocks to obtain any number of poles;

- combining the PSB Series with the MSB Series;

- being included in a custom Kit package to simplify the product management (part-number reduction), to minimize the stock, to improve the assembly and to reduce production errors.

La Serie PSB della famiglia di morsettiere a più piani denominata “PLURIMA“ rappresenta la soluzione più avanzata nei confronti della compattezza del cablaggio e dei collegamenti sul circuito stampato.

La disposizione dei poli su 2 o 3 piani sfalsati simmetricamente garantisce il massimo dell’accessibilità ed una buona visibilità dei punti di connessione.

I blocchi a 2 o 3 piani si possono combinare sia tra di loro, sia con le Torri Medie ed Alte, ma anche con la Serie MSB in innumerevoli configurazioni geometriche, svariate e fantasiose.

La morsettiera modulare Serie PSB per circuiti stampati soddisfa le esigenze di montaggio dell’utilizzatore; infatti è possibile:

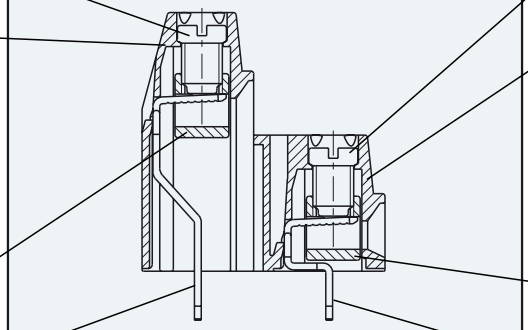
- utilizzare singolarmente le morsettiere base monolitiche da 2 e 3 vie;

- comporre le morsettiere base monolitiche da 2 e 3 vie per ottenere qualsiasi numero di vie;

- combinare la Serie PSB con la Serie MSB;

- utilizzare le confezioni Kit che permettono una semplificazione della gestione del prodotto (riduzione dei part-number), del magazzino, dell’assemblaggio, nonchè una riduzione dei rischi d’errore.

PSB



M3 nickel-plated Copper Alloy Screw.

PA 6.6 Polyamide Housing.
Standard Color: GREEN.
V-0 Self-extinguishing
According to UL 94.
Chlorinated solvents resistant,
with no Phosphor, Dioxin or
detrimental to health Halogens.

Nickel-plated Copper Alloy Cage Clamp.

Easy-to-solder **leadfree**
Tin-plated Copper Alloy Pin.

Vite M3 in Lega di Rame nichelato.

Corpo in Poliammide PA 6.6.
Colore Standard: VERDE.
Autoestinguente
Classe V-0 sec. UL 94.
Resistente ai solventi clorurati,
senza Fosforo, Diossina e Alogeni
dannosi alla salute.

Morsetto in Lega di Rame nichelato.

Terminale in Lega di Rame
stagnato saldabile **senza piombo.**

Mechanical Characteristics

Recommended tightening torque:	0.67 Nm (UL)*
PCB thickness:	max. .094 in (max. 2.4 mm)
PCB hole diameter:	min. .043 in (min. 1.1 mm)
Stripping length:	.197 ÷ .236 in (5 ÷ 6 mm)
Operating temperature range:	-40 °F ÷ +230 °F (-40 °C ÷ +110 °C)
Climatic category:	40/110/21 According to IEC 68-1

Electrical Characteristics

Solid wire section:	30÷15 AWG - 0.05÷1.5 mm^2 (UL, CSA)*
Stranded wire section:	30÷15AWG - 0.05÷1 mm^2 (UL, CSA)*
Rated voltage:	.197 in (5 mm) and .200 in (5.08 mm) pitch 300 V (UL, CSA)*
	.394 in (10 mm) and .400 in (10.16 mm) pitch 750 V (IMQ)*
Rated current:	17.5 A (IMQ)*
Contact resistance:	<15 mΩ
Insulation resistance:	>10^9 Ω (500V DC)

*All the a.m. data refer to the highest values amongst the certificated ones (). **V** voltage, **I** current values and tightening torque are related to the norms to be applied to the product and to its use.

Caratteristiche Meccaniche

Coppia di serraggio consigliata:	0,67 Nm (UL)*
Spessore circuito stampato:	max. 2,4 mm
Diametro fori circuito stampato:	min. 1,1 mm
Lunghezza di spellatura:	5 ÷ 6 mm
Temperature di funzionamento:	-40 °C ÷ +110 °C
Categoria climatica:	40/110/21 Secondo IEC 68-1

Caratteristiche Elettriche

Conduttore connettibile rigido:	0,05÷1,5 mm^2 - 30÷15 AWG (UL, CSA)*
Conduttore connettibile flessibile:	0,05÷1 mm^2 - 30÷15 AWG (UL, CSA)*
Tensione nominale:	passo 5 mm e 5,08 mm 300 V (UL, CSA)*
	passo 10 mm e 10,16 mm 750 V (IMQ)*
Corrente nominale:	17,5 A (IMQ)*
Resistenza di contatto:	<15 mΩ
Resistenza di isolamento:	>10^9 Ω (500V CC)

*Per ogni caratteristica, i dati riportati si riferiscono ai massimi valori fra quelli certificati (). I valori di tensione **V** corrente **I** e, coppia di serraggio sono legati alle norme applicabili al prodotto ed al tipo di utilizzo.

Approvals

(see also “Certifications”, page 22)

VDE: **Reg. N. 5659 ÜG**
250 V - 13.5 A - T 110 - 1 mm^2 for 5 mm and 5.08 mm pitch (a)
(a) 250 V - 10 A - T 110 - 1 mm^2 for PSB__0K1, PSB__0K5, PSB__0T1, PSB__0T5
750 V - 13.5 A - T 110 - 1 mm^2 for 10 mm and 10.16 mm pitch

IMQ: **Certificate with Surveillance IMQ CSv ED624**
ESS: 250 V - T 110 - 17.5 A - 1.5 mm^2 solid (13.5 A - 1 mm^2 stranded) for 5 mm and 5.08 mm pitch
750 V - T 110 - 17.5 A - 1.5 mm^2 solid (13.5 A - 1 mm^2 stranded) for 10 mm and 10.16 mm pitch

CSA: **File LR 102896-1**
300 V - 13.5 A - 30÷15 AWG for 5 mm and 5.08 mm pitch
600 V - 13.5 A - 30÷15 AWG for 10 mm and 10.16 mm pitch

UL: **File E 167473**
300 V - 13.5 A (Factory Wiring), 10 A (Field Wiring) - 30÷16 AWG for 5 mm and 5.08 mm pitch
600 V - 13.5 A (Factory Wiring), 10 A (Field Wiring) - 30÷16 AWG for 10 mm and 10.16 mm pitch
Application values for end-use equipment have to be
in accordance to UL norms and applicable to it.

Certificazioni

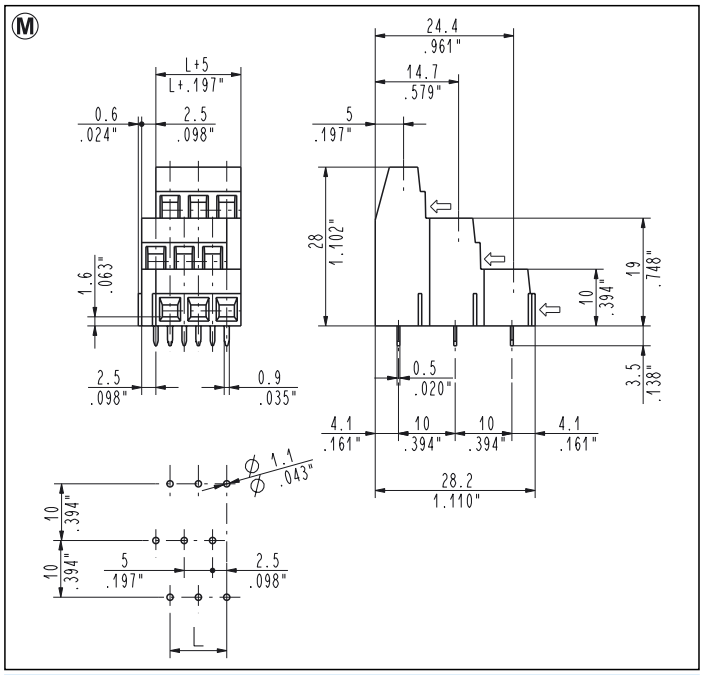
(vedi anche “Certificazioni”, pag. 22)

VDE: **Reg. N. 5659 ÜG**
250 V - 13,5 A - T 110 - 1 mm^2 per passo 5 mm e 5,08 mm (a)
(a) 250 V - 10 A - T 110 - 1 mm^2 per PSB__0K1, PSB__0K5, PSB__0T1, PSB__0T5
750 V - 13,5 A - T 110 - 1 mm^2 per passo 10 mm e 10,16 mm

IMQ: **Certificato con Sorveglianza IMQ CSv ED624**
ESS: 250 V - T 110 - 17,5 A - 1,5 mm^2 rigido (13,5 A - 1 mm^2 flessibile) per passo 5 mm e 5,08 mm
750 V - T 110 - 17,5 A - 1,5 mm^2 rigido (13,5 A - 1 mm^2 flessibile) per passo 10 mm e 10,16 mm

CSA: **File LR 102896-1**
300 V - 13,5 A - 30÷15 AWG per passo 5 mm e 5,08 mm
600 V - 13,5 A - 30÷15 AWG per passo 10 mm e 10,16 mm

UL: **File E 167473**
300 V - 13,5 A (Factory Wiring), 10 A (Field Wiring) - 30÷16 AWG per passo 5 mm e 5,08 mm
600 V - 13,5 A (Factory Wiring), 10 A (Field Wiring) - 30÷16 AWG per passo 10 mm e 10,16 mm
I valori di utilizzo per l’apparecchiatura finale
devono essere conformi alle norme UL ad essa applicabili.



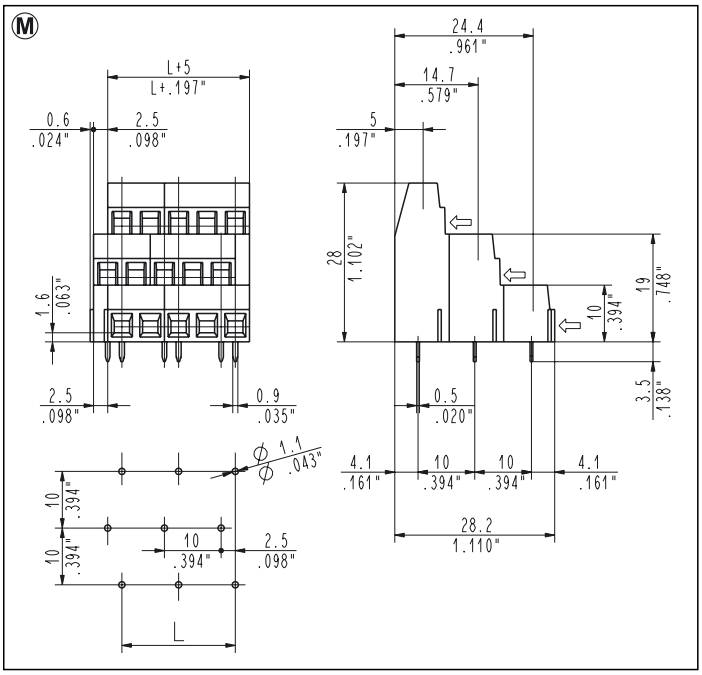
PSB__0T1 **3 Levels**

5 mm / .197" Pitch **Weight per pole: 1.31 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020T1	5.00	0.197	75	0.59
03	PSB030T1	10.00	0.394	50	0.59

More poles are obtainable by combining modular Plurima of 2 and 3 poles

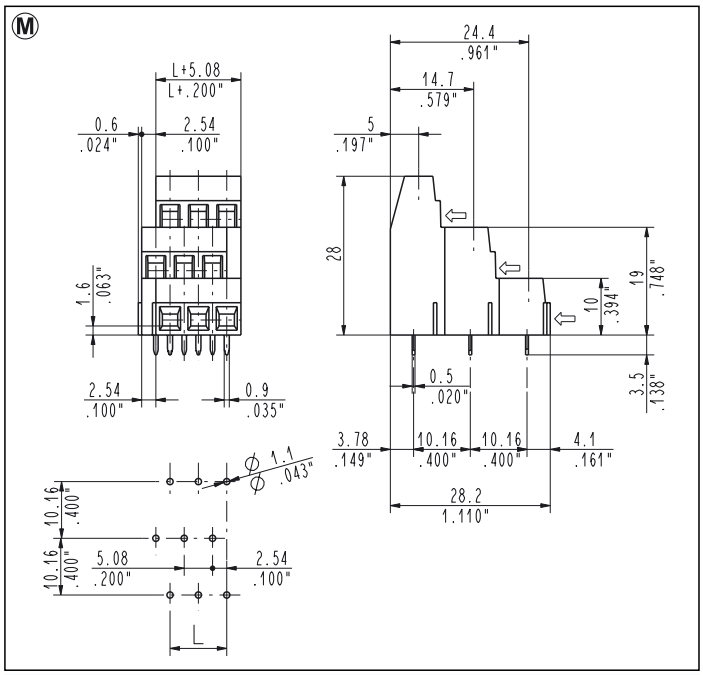


PSB__0T2 **3 Levels**

10 mm / .394" Pitch **Weight per pole: 1.53 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020T2	10.00	0.394	50	0.46
03	PSB030T2	20.00	0.787	55	0.76
04	PSB040T2	30.00	1.181	40	0.74
05	PSB050T2	40.00	1.575	30	0.69
06	PSB060T2	50.00	1.969	20	0.55
07	PSB070T2	60.00	2.362	15	0.48
08	PSB080T2	70.00	2.756	15	0.55
09	PSB090T2	80.00	3.150	10	0.42
10	PSB100T2	90.00	3.543	10	0.46
11	PSB110T2	100.00	3.937	10	0.51
12	PSB120T2	110.00	4.331	10	0.55
13	PSB130T2	120.00	4.724	8	0.48



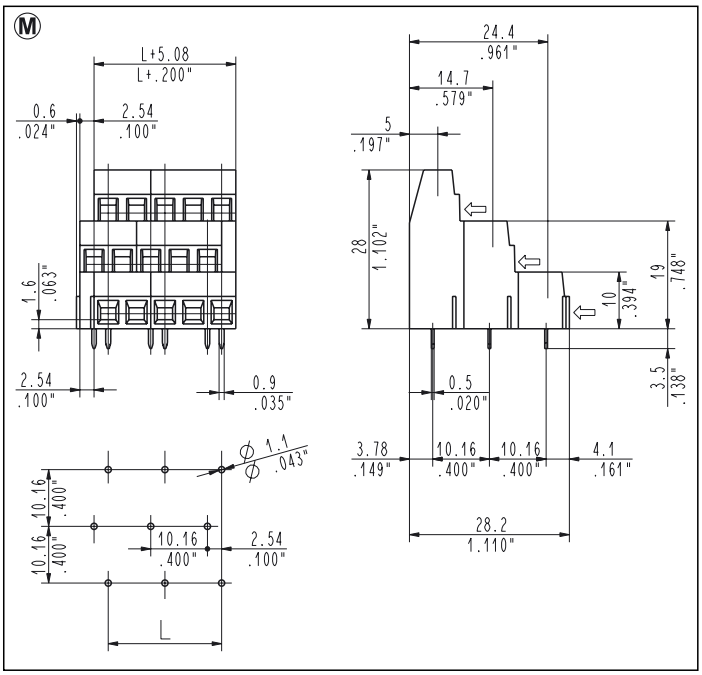
PSB__0T5 **3 Levels**

5.08 mm / .200" Pitch **Weight per pole: 1.31 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020T5	5.08	0.200	75	0.59
03	PSB030T5	10.16	0.400	50	0.59

More poles are obtainable by combining modular Plurima of 2 and 3 poles



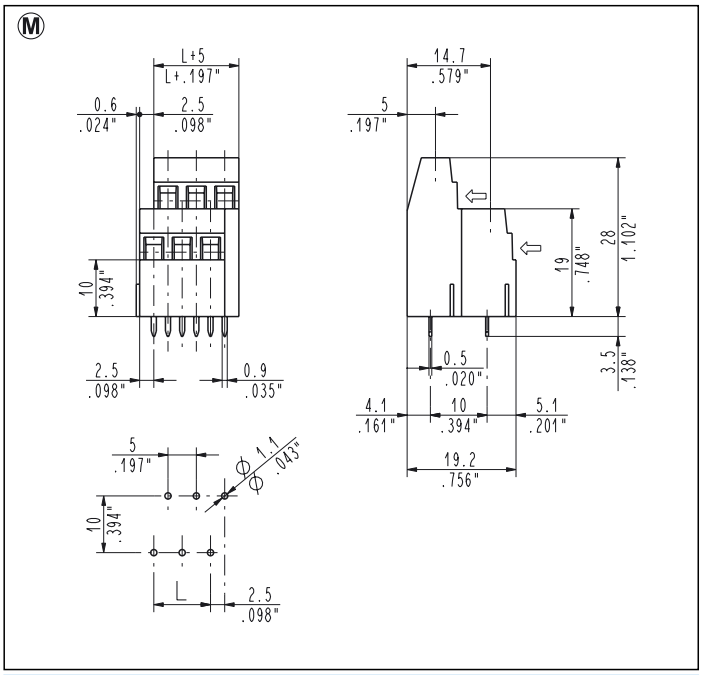
PSB__0T6 **3 Levels**

10.16 mm / .400" Pitch **Weight per pole: 1.53 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020T6	10.16	0.400	50	0.46
03	PSB030T6	20.32	0.800	55	0.76
04	PSB040T6	30.48	1.200	40	0.74
05	PSB050T6	40.64	1.600	30	0.69
06	PSB060T6	50.80	2.000	20	0.55
07	PSB070T6	60.96	2.400	15	0.48
08	PSB080T6	71.12	2.800	15	0.55
09	PSB090T6	81.28	3.200	10	0.42
10	PSB100T6	91.44	3.600	10	0.46
11	PSB110T6	101.60	4.000	10	0.51
12	PSB120T6	111.76	4.400	10	0.55
13	PSB130T6	121.92	4.800	8	0.48

W [kg] : Approximate weight per box in kg



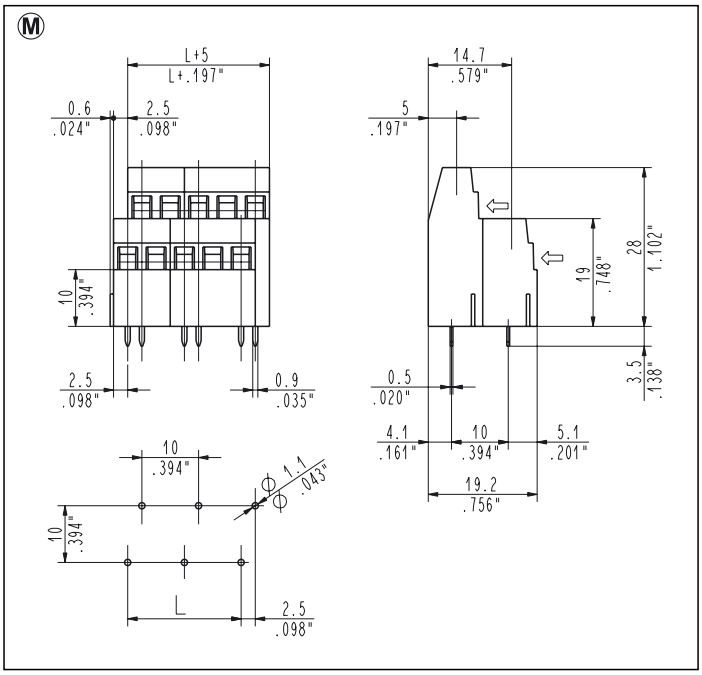
PSB__0K1 **2nd & 3rd Levels**

5 mm / .197" Pitch **Weight per pole: 1.45 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020K1	5.00	0.197	100	0.58
03	PSB030K1	10.00	0.394	75	0.66

More poles are obtainable by combining modular Plurima of 2 and 3 poles

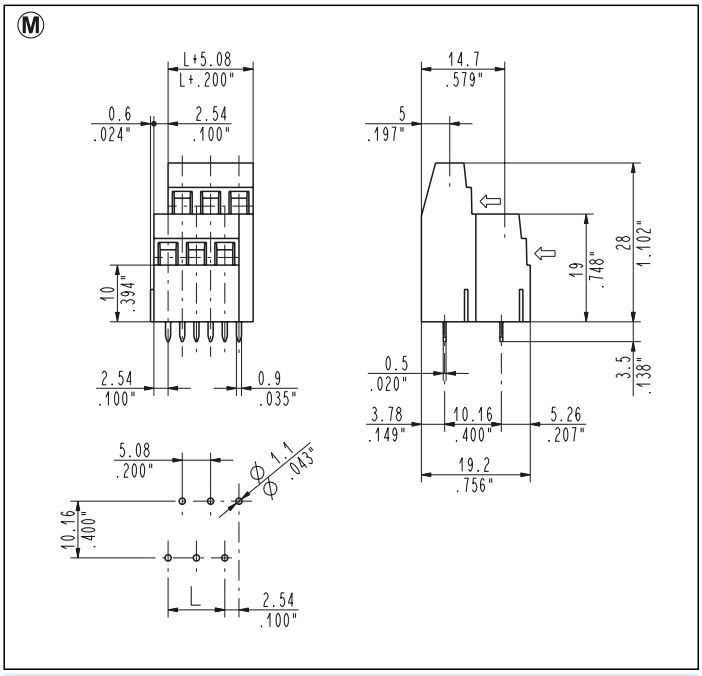


PSB__0K2 **2nd & 3rd Levels**

10 mm / .394" Pitch **Weight per pole: 1.77 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020K2	10.00	0.394	75	0.53
03	PSB030K2	20.00	0.787	80	0.85
04	PSB040K2	30.00	1.181	60	0.85
05	PSB050K2	40.00	1.575	45	0.80
06	PSB060K2	50.00	1.969	35	0.74
07	PSB070K2	60.00	2.362	25	0.62
08	PSB080K2	70.00	2.756	25	0.71
09	PSB090K2	80.00	3.150	15	0.48
10	PSB100K2	90.00	3.543	15	0.53
11	PSB110K2	100.00	3.937	15	0.58
12	PSB120K2	110.00	4.331	15	0.64
13	PSB130K2	120.00	4.724	10	0.46



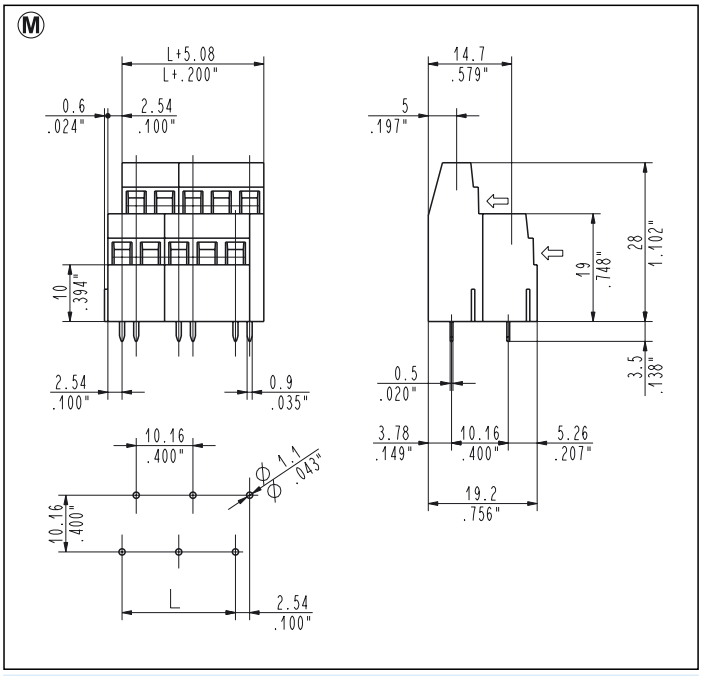
PSB__0K5 **2nd & 3rd Levels**

5.08 mm / .200" Pitch **Weight per pole: 1.45 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020K5	5.08	0.200	100	0.58
03	PSB030K5	10.16	0.400	75	0.66

More poles are obtainable by combining modular Plurima of 2 and 3 poles

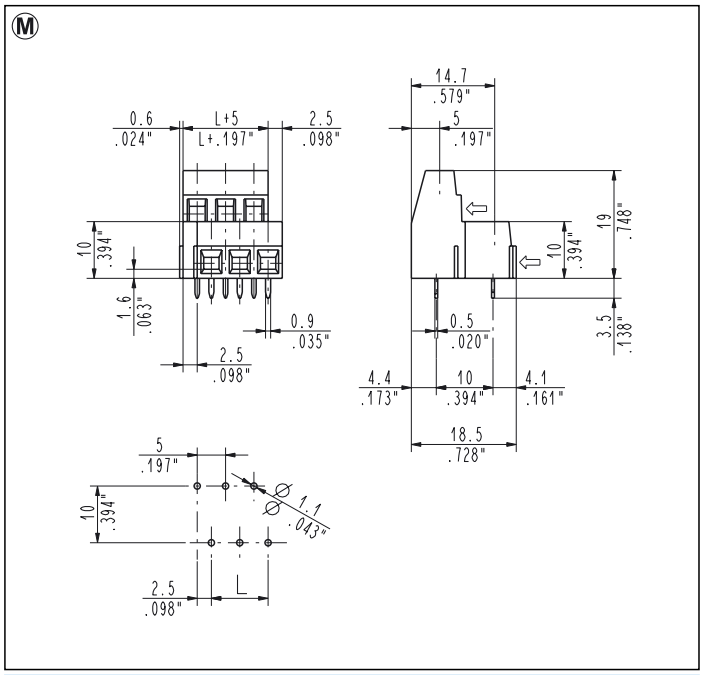


PSB__0K6 **2nd & 3rd Levels**

10.16 mm / .400" Pitch **Weight per pole: 1.77 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020K6	10.16	0.400	75	0.53
03	PSB030K6	20.32	0.800	80	0.85
04	PSB040K6	30.48	1.200	60	0.85
05	PSB050K6	40.64	1.600	45	0.80
06	PSB060K6	50.80	2.000	35	0.74
07	PSB070K6	60.96	2.400	25	0.62
08	PSB080K6	71.12	2.800	25	0.71
09	PSB090K6	81.28	3.200	15	0.48
10	PSB100K6	91.44	3.600	15	0.53
11	PSB110K6	101.60	4.000	15	0.58
12	PSB120K6	111.76	4.400	15	0.64
13	PSB130K6	121.92	4.800	10	0.46



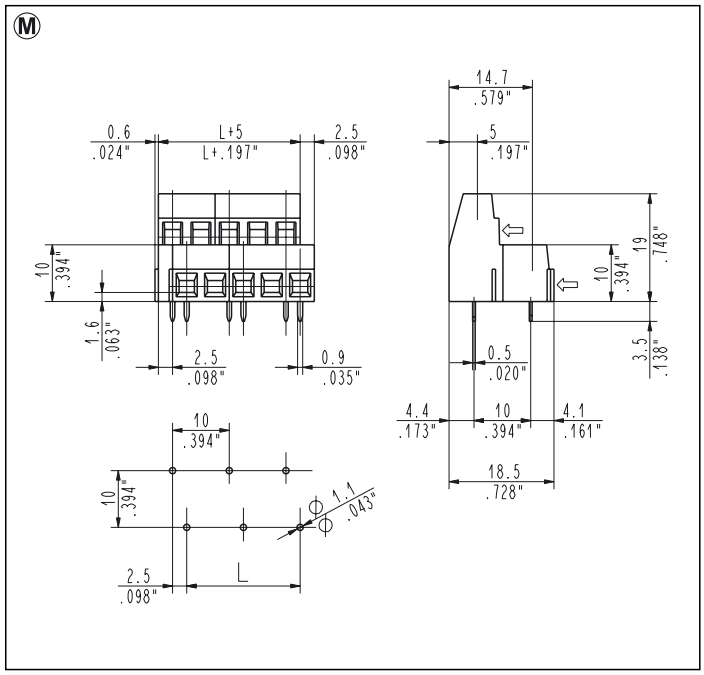
PSB__0D1 **1st & 2nd Levels**

5 mm / .197" Pitch **Weight per pole: 1.15 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020D1	5.00	0.197	200	0.92
03	PSB030D1	10.00	0.394	125	0.86

More poles are obtainable by combining modular Plurima of 2 and 3 poles

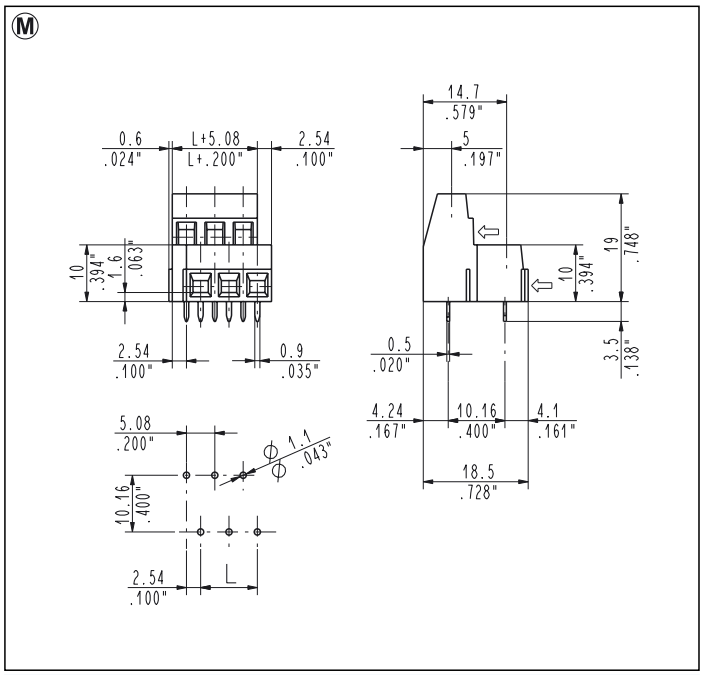


PSB__0D2 **1st & 2nd Levels**

10 mm / .394" Pitch **Weight per pole: 1.28 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020D2	10.00	0.394	125	0.64
03	PSB030D2	20.00	0.787	80	0.61
04	PSB040D2	30.00	1.181	60	0.61
05	PSB050D2	40.00	1.575	45	0.58
06	PSB060D2	50.00	1.969	35	0.54
07	PSB070D2	60.00	2.362	25	0.45
08	PSB080D2	70.00	2.756	25	0.51
09	PSB090D2	80.00	3.150	20	0.46
10	PSB100D2	90.00	3.543	20	0.51
11	PSB110D2	100.00	3.937	20	0.56
12	PSB120D2	110.00	4.331	20	0.61
13	PSB130D2	120.00	4.724	10	0.33



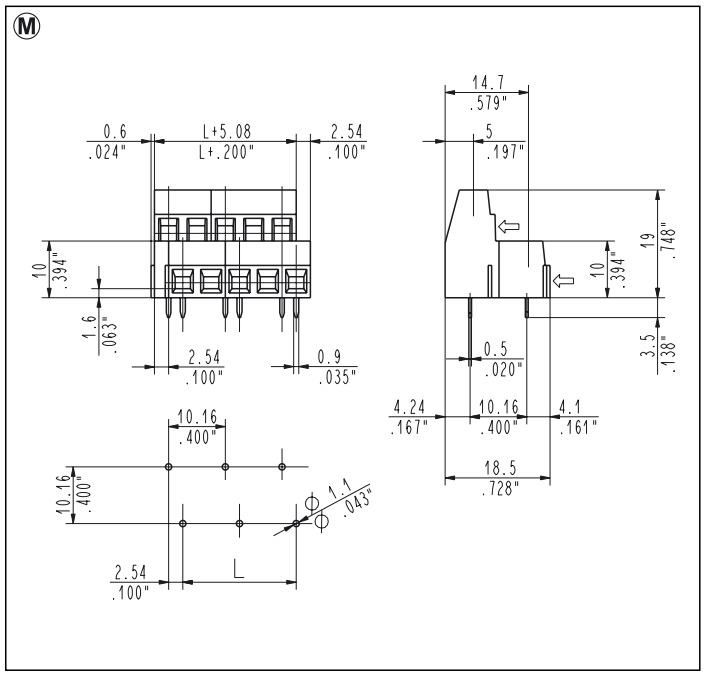
PSB__0D5 **1st & 2nd Levels**

5.08 mm / .200" Pitch **Weight per pole: 1.15 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020D5	5.08	0.200	200	0.92
03	PSB030D5	10.16	0.400	125	0.86

More poles are obtainable by combining modular Plurima of 2 and 3 poles



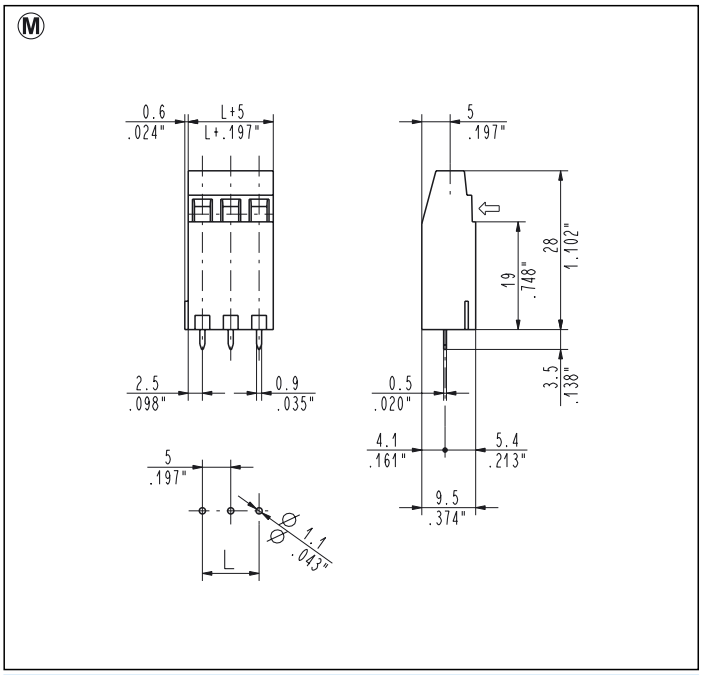
PSB__0D6 **1st & 2nd Levels**

10.16 mm / .400" Pitch **Weight per pole: 1.28 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020D6	10.16	0.400	125	0.64
03	PSB030D6	20.32	0.800	80	0.61
04	PSB040D6	30.48	1.200	60	0.61
05	PSB050D6	40.64	1.600	45	0.58
06	PSB060D6	50.80	2.000	35	0.54
07	PSB070D6	60.96	2.400	25	0.45
08	PSB080D6	71.12	2.800	25	0.51
09	PSB090D6	81.28	3.200	20	0.46
10	PSB100D6	91.44	3.600	20	0.51
11	PSB110D6	101.60	4.000	20	0.56
12	PSB120D6	111.76	4.400	20	0.61
13	PSB130D6	121.92	4.800	10	0.33

W [kg] : Approximate weight per box in kg



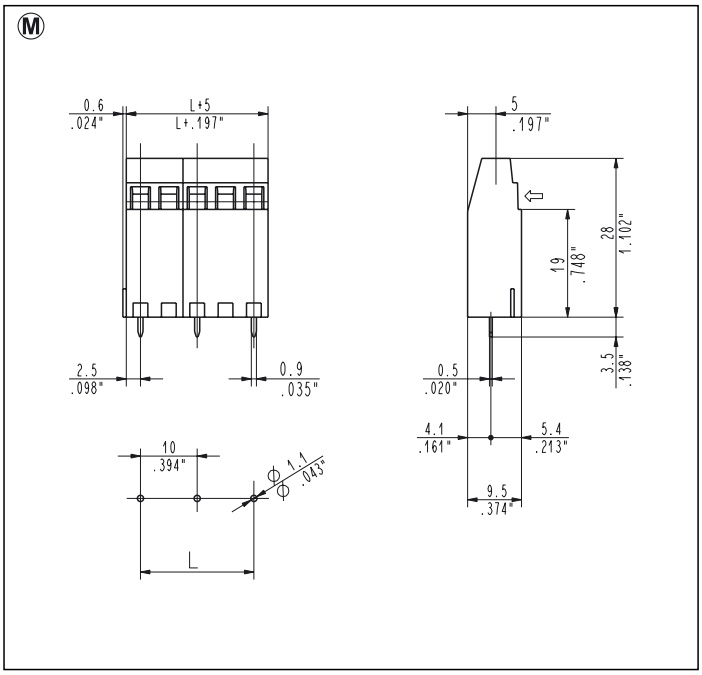
PSB__0H1 **High Tower**

5 mm / .197" Pitch **Weight per pole: 1.64 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020H1	5.00	0.197	250	0.82
03	PSB030H1	10.00	0.394	125	0.62

More poles are obtainable by combining modular Plurima of 2 and 3 poles

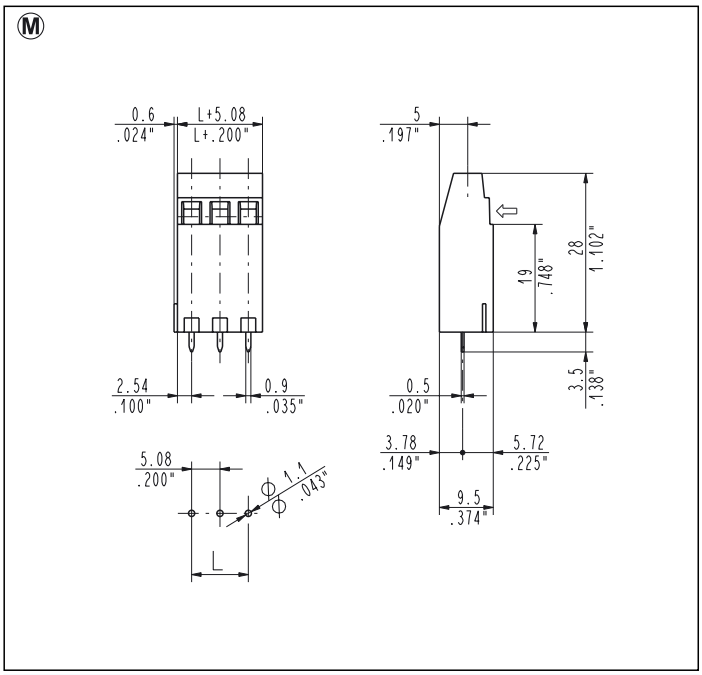


PSB__0H2 **High Tower**

10 mm / .394" Pitch **Weight per pole: 1.96 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020H2	10.00	0.394	125	0.49
03	PSB030H2	20.00	0.787	110	0.65
04	PSB040H2	30.00	1.181	80	0.63
05	PSB050H2	40.00	1.575	60	0.59
06	PSB060H2	50.00	1.969	45	0.53
07	PSB070H2	60.00	2.362	35	0.48
08	PSB080H2	70.00	2.756	35	0.55
09	PSB090H2	80.00	3.150	30	0.53
10	PSB100H2	90.00	3.543	25	0.49
11	PSB110H2	100.00	3.937	25	0.54
12	PSB120H2	110.00	4.331	25	0.59
13	PSB130H2	120.00	4.724	15	0.39



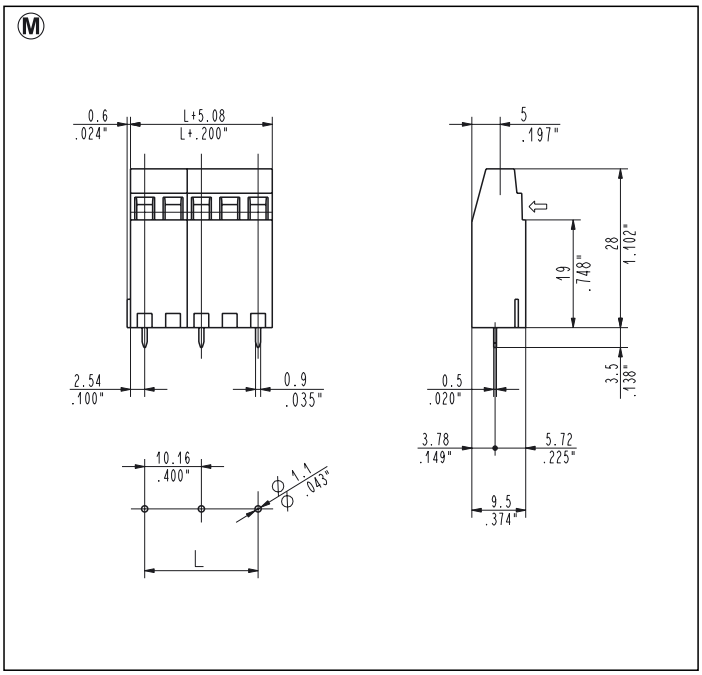
PSB__0H5 **High Tower**

5.08 mm / .200" Pitch **Weight per pole: 1.64 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020H5	5.08	0.200	250	0.82
03	PSB030H5	10.16	0.400	125	0.62

More poles are obtainable by combining modular Plurima of 2 and 3 poles

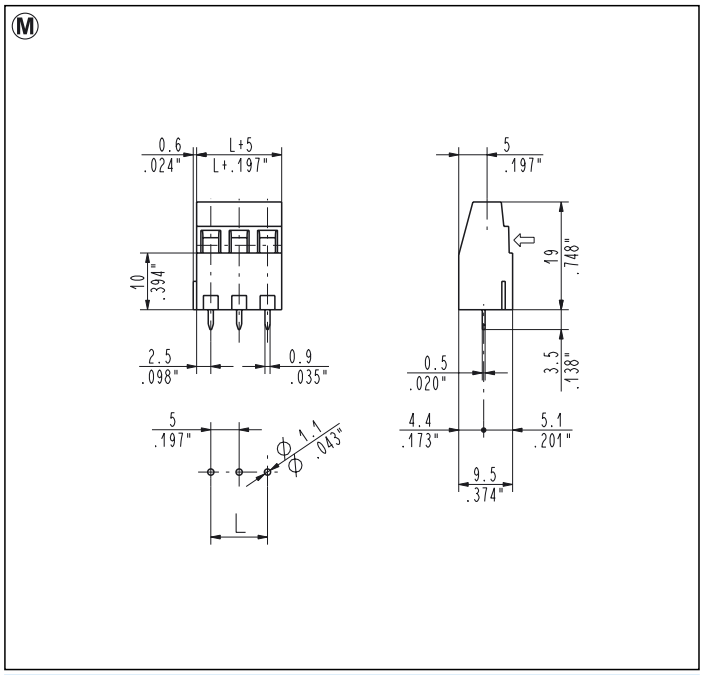


PSB__0H6 **High Tower**

10.16 mm / .400" Pitch **Weight per pole: 1.96 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020H6	10.16	0.400	125	0.49
03	PSB030H6	20.32	0.800	110	0.65
04	PSB040H6	30.48	1.200	80	0.63
05	PSB050H6	40.64	1.600	60	0.59
06	PSB060H6	50.80	2.000	45	0.53
07	PSB070H6	60.96	2.400	35	0.48
08	PSB080H6	71.12	2.800	35	0.55
09	PSB090H6	81.28	3.200	30	0.53
10	PSB100H6	91.44	3.600	25	0.49
11	PSB110H6	101.60	4.000	25	0.54
12	PSB120H6	111.76	4.400	25	0.59
13	PSB130H6	121.92	4.800	15	0.39



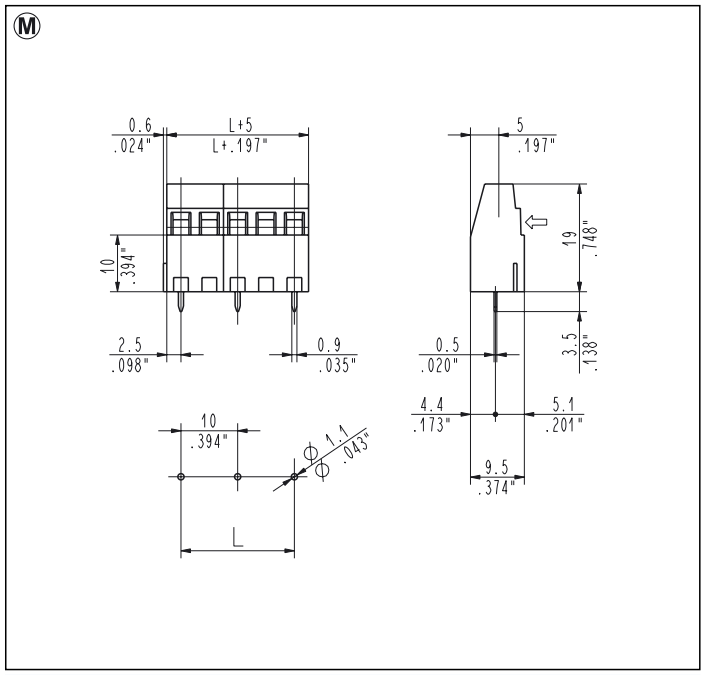
PSB__0M1 **Medium Tower**

5 mm / .197" Pitch **Weight per pole: 1.25 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020M1	5.00	0.197	400	1.00
03	PSB030M1	10.00	0.394	250	0.94

More poles are obtainable by combining modular Plurima of 2 and 3 poles

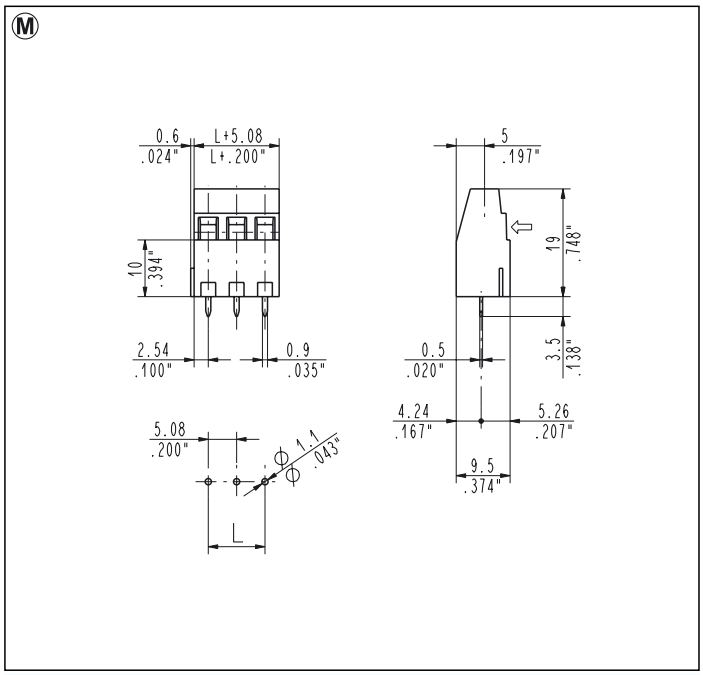


PSB__0M2 **Medium Tower**

10 mm / .394" Pitch **Weight per pole: 1.46 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020M2	10.00	0.394	250	0.73
03	PSB030M2	20.00	0.787	165	0.72
04	PSB040M2	30.00	1.181	120	0.70
05	PSB050M2	40.00	1.575	95	0.69
06	PSB060M2	50.00	1.969	70	0.61
07	PSB070M2	60.00	2.362	50	0.51
08	PSB080M2	70.00	2.756	50	0.58
09	PSB090M2	80.00	3.150	45	0.59
10	PSB100M2	90.00	3.543	30	0.44
11	PSB110M2	100.00	3.937	30	0.48
12	PSB120M2	110.00	4.331	30	0.52
13	PSB130M2	120.00	4.724	25	0.47



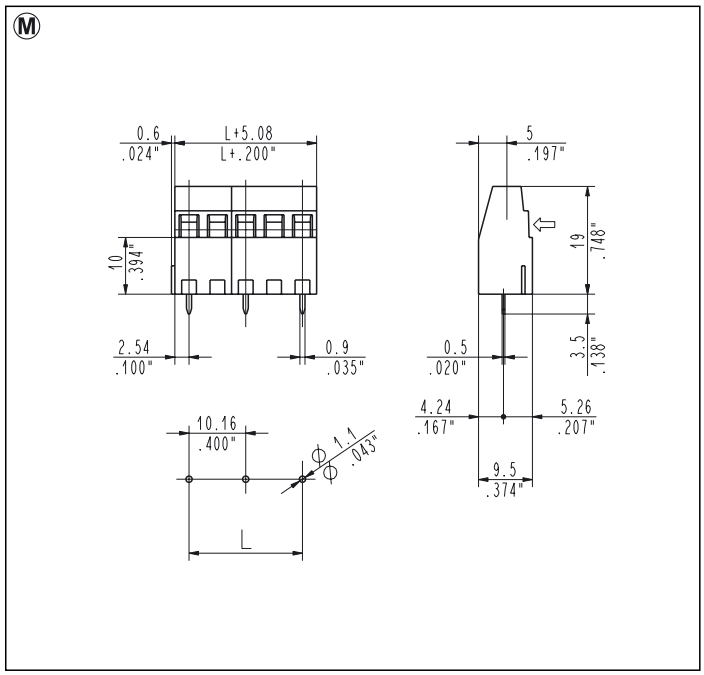
PSB__0M5 **Medium Tower**

5.08 mm / .200" Pitch **Weight per pole: 1.25 g**

Single Mold Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020M5	5.08	0.200	400	1.00
03	PSB030M5	10.16	0.400	250	0.94

More poles are obtainable by combining modular Plurima of 2 and 3 poles



PSB__0M6 **Medium Tower**

10.16 mm / .400" Pitch **Weight per pole: 1.46 g**

Assembled Terminal Blocks

Poles per Level	STD Code	L [mm]	L [inch]	Pcs/pack.	W [kg]
02	PSB020M6	10.16	0.400	250	0.73
03	PSB030M6	20.32	0.800	165	0.72
04	PSB040M6	30.48	1.200	120	0.70
05	PSB050M6	40.64	1.600	95	0.69
06	PSB060M6	50.80	2.000	70	0.61
07	PSB070M6	60.96	2.400	50	0.51
08	PSB080M6	71.12	2.800	50	0.58
09	PSB090M6	81.28	3.200	45	0.59
10	PSB100M6	91.44	3.600	30	0.44
11	PSB110M6	101.60	4.000	30	0.48
12	PSB120M6	111.76	4.400	30	0.52
13	PSB130M6	121.92	4.800	25	0.47

W [kg] : Approximate weight per box in kg