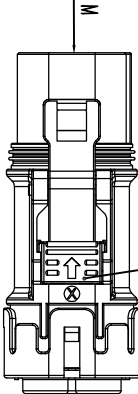


Ordering Information:

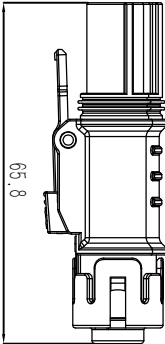
BMP182X - 61 - 4 - Y01			
Key: X Orange Y Black U Yellow V Green	HVL: 0 No HVL 1 HVL	Cable Size: 2.5=2.5mm ² 4=4mm ² 6=6mm ² 10=10mm ²	Seat spray: Default: 96 hour Y01: 336 hour Y02: 480 hour

Specification:

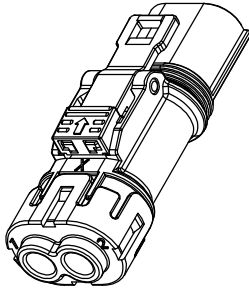
1. Operation Temp: -40℃~+125℃.
2. Operating Current: 60A (Max).
3. Operating Voltage: 1500 VDC.
- 500 VDC (HVL)
- <S>▶4. Withstanding Voltage: 6000VDC & 4000VAC.
- 500 VAC (HVL)
- ▶5. Insulation Resistance: 20Ω.
- 500 MΩ (HVL)
6. Contact Resistance: <2mΩ.
- <S>▶7. Protection Level: IP68 & IP69K & IPXXB & IPXXD
8. Durability: 100 Min.
9. EMC.
10. with Auto-secondary lock system.
11. with HVL.
12. Fire protection grade: UL94 V-0.
13. Mating Rcpt: "BMP082-61".



Plastic button's color
see ordering information



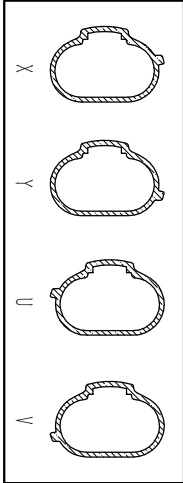
CUSTOMER DRAWING



REVISIONS				
REV	ECN#	DESCRIPTION	REV.BY	DATE
A	-	Initial release	W.FS	2024/2/26

	P/N-cable size	Dim A	Dim B
	PM04-2.5	2.50±0.1	4.00±0.05
	PM04-4	3.05±0.1	4.57±0.05
	PM04-6	3.80±0.1	5.80±0.05
	PM04-10	4.80±0.1	6.80±0.05

Sketch map for key in M direction



Product with HVL

P/N	Product Description	Cable OD.
BMP182X-61-2.5	BMP60A 2pos separated Plug, Key X, 2.5mm ² with HVL	5.2±0.2
BMP182Y-61-2.5	BMP60A 2pos separated Plug, Key Y, 2.5mm ² with HVL	
BMP182U-61-2.5	BMP60A 2pos separated Plug, Key U, 2.5mm ² with HVL	
BMP182V-61-2.5	BMP60A 2pos separated Plug, Key V, 2.5mm ² with HVL	
BMP182X-61-4	BMP60A 2pos separated Plug, Key X, 4mm ² with HVL	
BMP182Y-61-4	BMP60A 2pos separated Plug, Key Y, 4mm ² with HVL	5.8±0.2
BMP182U-61-4	BMP60A 2pos separated Plug, Key U, 4mm ² with HVL	
BMP182V-61-4	BMP60A 2pos separated Plug, Key V, 4mm ² with HVL	
BMP182X-61-6	BMP60A 2pos separated Plug, Key X, 6mm ² with HVL	
BMP182Y-61-6	BMP60A 2pos separated Plug, Key Y, 6mm ² with HVL	
BMP182U-61-6	BMP60A 2pos separated Plug, Key U, 6mm ² with HVL	6.7±0.2
BMP182V-61-6	BMP60A 2pos separated Plug, Key V, 6mm ² with HVL	

Product without HVL

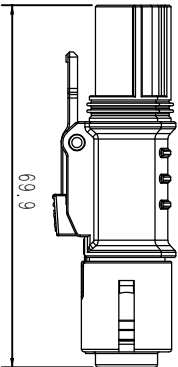
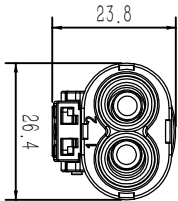
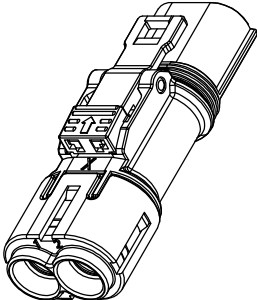
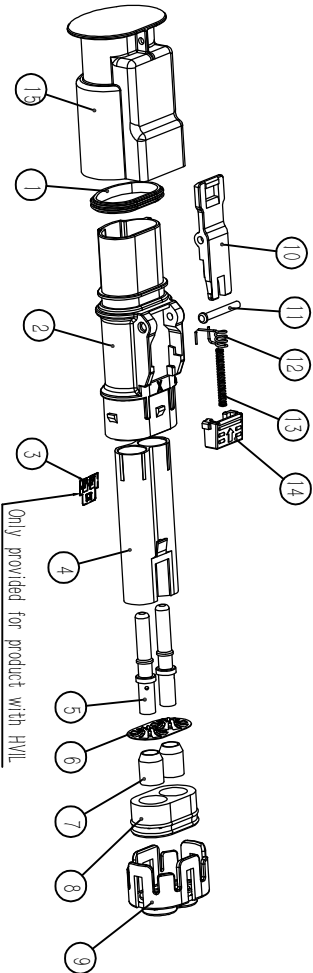
15	2pos plug dust cap	PP	1
14	Plastic button	PA66	1
13	Pressing Spring	Stainless Steel	1
12	Torsional Spring	Stainless Steel	1
11	Pin	Brass	1
10	Metal button	2# Zinc Alloy	1
9	Separated Plug rear Cover	PA66(Key X_Orange, Key Y_Black; Key U_Yellow, Key V_Green)	1
8	Rear sealing part	Flame Retardant Silicone Rubber (2.5mm ² _Yellow, 4mm ² _Red, 6mm ² _Green,)	1
7	Shielding copper sleeve	Brass	2
6	Plug gasket	Phosphor bronze	1
5	Terminal	Red Copper	2
4	Plug inner plastic part	PBT(Key X_Orange, Key Y_Black; Key U_Yellow, Key V_Green)	1
3	HVL contact	Beryllium copper	1
2	Plug Shell	5# Zinc Alloy	1
1	Sealing ring	FKM Black	1
No.	Part name	Material	QTY

Chengdu City Bale New Energy Technology Co. Ltd

BALE			
MATERIAL:		PART NAME:	
WEIGHT		BMP60A 2 POS SEPARATED PLUG	
SIGNATURE		CUST P.N.:	
DRAWN	DATE	SEE TABLE	
CHECKED	SHEET	DWG NO: BMP182-61	
APPROVAL	DATE	ANGLE	
	2024/2/26	X.: ±1.0	
	2024/2/26	X.: ±0.5	
	2024/2/26	X.: ±0.2	
	2024/2/26	Angle: ±2°	

THE COPYRIGHT BELONGS TO BALE

REVISIONS					
REV	ECN#	DESCRIPTION	REV.BY	APPR.BY	DATE
A	- -	Initial release	W.F.S	M.D	2024/2/26



Plastic button's color
see ordering information

Product with HVL			Product without HVL		
Part No.	Product Description	Cable OD.	Part No.	Product Description	Cable OD.
BMP182X-61-10	BMP60A 2pos separated Plug, Key X, 10mm ² , with HVL		BMP182X-60-10	BMP60A 2pos separated Plug, Key X, 10mm ² , w/o HVL	
BMP182Y-61-10	BMP60A 2pos separated Plug, Key Y, 10mm ² , with HVL		BMP182Y-60-10	BMP60A 2pos separated Plug, Key Y, 10mm ² , w/o HVL	
BMP182U-61-10	BMP60A 2pos separated Plug, Key U, 10mm ² , with HVL	9.4±0.3	BMP182U-60-10	BMP60A 2pos separated Plug, Key U, 10mm ² , w/o HVL	9.4±0.3
BMP182V-61-10	BMP60A 2pos separated Plug, Key V, 10mm ² , with HVL		BMP182V-60-10	BMP60A 2pos separated Plug, Key V, 10mm ² , w/o HVL	

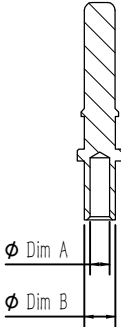
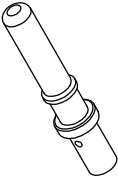
No.	Part Name	Material	QTY
15	PP	PP	1
14	Plastic button	PA66	1
13	Pressing Spring	Stainless Steel	1
12	Torsional Spring	Stainless Steel	1
11	Pin	Brass	1
10	Metal button	2# Zinc Alloy	1
9	Separated Plug rear Cover	PA66(Key X_Orange, Key Y_Black, Key U_Yellow, Key V_Green)	1
8	Rear sealing part	Flame Retardant Silicone Rubber Orange (10mm ²)	1
7	Shielding part 1	Aluminium Alloy	1
6	Shielding part 2	Aluminium Alloy	1
5	Terminal	Red copper	2
4	Plug inner plastic part	PBT(Key X_Orange, Key Y_Black, Key U_Yellow, Key V_Green)	1
3	HVL contact	Beryllium copper	1
2	Plug shell	5# Zinc Alloy	1
1	Sealing ring	FKM Black	1

Chengdu City Bale New Energy Technology Co. Ltd			
WEIGHT		PART NAME:	
/		BMP60A 2 POS SEPARATED PLUG	
SIGNATURE		CUST P.N.:	
DRAWN	W.F.S	SEE TABLE	
CHECKED	M.D	DWG NO: BMP182-61	
APPROVAL	M.D		

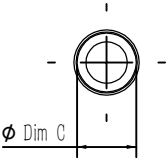
THE COPYRIGHT BELONGS TO BALE

REVISIONS					
REV	ECN#	DESCRIPTION	REV.BY	APPR.BY	DATE
A	-	Initial release	W/FS	MD	2024/2/26

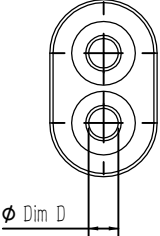
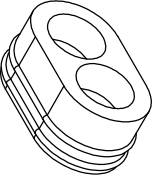
Terminal



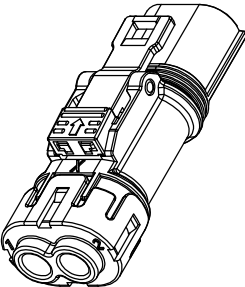
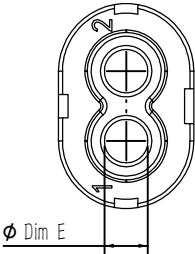
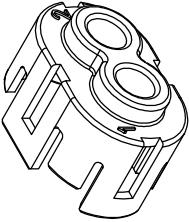
Shielding Copper Sleeve



Rear Sealing Part



Separated Plug Rear cover



Part No.	Cable Dia.	Dim A	Dim B	Dim C	Dim D	Dim E
BMP182(X)-6(1)-2.5	5.2±0.2	2.50±0.1	4.00±0.05	5.7±0.1	3.8±0.2	5.6±0.2
BMP182(X)-6(1)-4	5.8±0.2	3.05±0.1	4.57±0.05	6.4±0.1	4.4±0.2	6.2±0.2
BMP182(X)-6(1)-6	6.7±0.3	3.80±0.1	5.80±0.05	7.3±0.1	5.3±0.2	7.2±0.2

Notes: BMP182(X)-6(1)-10 has different parts from 2.5, 4, 6mm² type, see details from Page2.

B

A

THE COPYRIGHT BELONGS TO BALE

Chengdu City Bale New Energy Technology Co. Ltd			
BALE	MATERIAL:		/
	WEIGHT		
	DATE		
	SHEET		
SIGNATURE			No tolerance(mm):
DRAWN	W/FS	2024/2/26	X.: ±1.0
CHECKED	M/D	2024/2/26	X.: ±0.5
APPROVAL	M/D	2024/2/26	X...: ±0.2
			Angle: ±2°

1

2

3

4