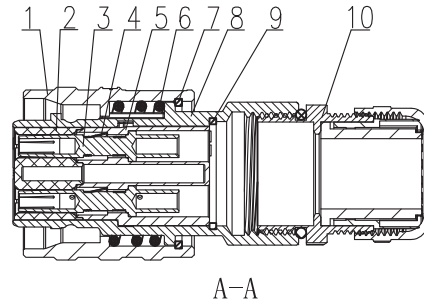
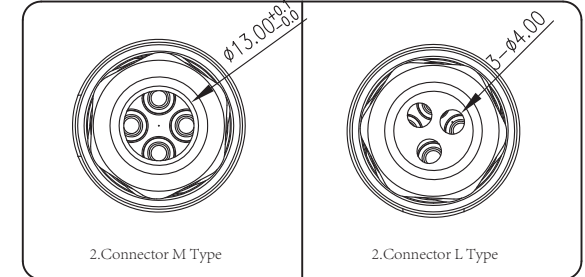


part no	code
04-HV	XX X X-X XX-X 03
series	01:1 02:2 03:3 and so on
High voltage	0: Unlimited interlocking Y: high-handed N: Unlimited high-handed 0: Not involved 1: Shielding wire 2: Unshielded wire
	03: Serial number 0: No distinction P: Plug S: Socket 03: 3mm ² Cable 04: 4mm ² Cable 05: 5mm ² Cable 06: 6mm ² Cable and so on X: X Key N: N W: W A: A and so on Z: Z Y: Y 00:0.5-0.75mm ² Cable 02: 2.5mm ² Cable



- 1. Material: Contact: Copper alloy, gold plated
Housing: zinc alloy, nickel plated
Insulating plastic: nylon, flame retardant grade: UL94 V-0
Waterproof part: silicone rubber
- 2. Rated voltage: 250V AC
- 3. Rated current: 25A MAX
- 4. Withstand voltage: 1500V AC
- 5. Insulation resistance: >2000M Ω (normal state)
- 6. Working temperature: - 40 $^{\circ}\text{C}$ ~ +125 $^{\circ}\text{C}$
- 7. Mechanical life: \geq 200 times
- 8. Waterproof grade: IP67 (matching state)
- 9. Product meets environmental RoHS requirements

ECN NO.	REV	DATE	DESCRIPTION	MDF'D	APP'D
	A0	2022.7.21	Initial version	ZsH	Qilin



No	Part No	describe	ϕ E
1	XX103-01-01-01E	Socket adapted to 2.5mm ² cable	2.55
2	XX103-01-01-01D	Socket adapted to 4.0mm ² cable	3.1

10	See List	Metal waterproof joint	1
9	XX103-01-00-06A	Housing circlip	1
8	See List	4-core Plug housing	1
7	XX103-01-00-05A	Connecting sleeve ferrule ϕ 27*1.0 stainless steel	1
6	XX103-01-00-03A	Spring	1
5	12XXC10301	Rear end main rubber core	1
4	XX103-01-01-02A	Socket gear sleeve	4
3	See List	12# socket	4
2	12XXC10300	Front end combined rubber core	1
1	XX103-01-00-01A	4-core Connector	1
No	Part No	Name	Number

General Tolerance	Angle Tolerance
X \pm 0.5 .X \pm 0.2 .XX \pm 0.1	\pm 1 $^{\circ}$
Unless otherwise specified, dimensions are in metric and tolerances are	

HV Metal Connector

DESIGNER	ZsH	TITLE: XXC103 High Voltage Metal Connector	
CHECKED	ZsH	PARTS NO: XXC103-EV-S4TA	
APPROVAL	Qilin	(UNIT): mm	(SCALE): 1:1 (SHT): 1/1

CUSTOMER-DRAWING

No	series	Part No	Drawing No	Key	A'	B'	C'	D'	3. 12# socket	4-core Plug housing	Metal waterproof joint M20*1.5	Cable specification	Cable Δ M outer diameter	Type
1		A1-XXC103P001	04-HV0400-002-P03	N	105	35	75	50	XX103-01-01-01E	XX103-01-00-02A	B13-R20*1.5-00004	2.5mm ²	2.8 ~ 4.5	L
2		A1-XXC103P002	04-HV0400-002-P03-01						XX103-01-01-01D	B13-R20*1.5-00001	4mm ²	7 ~ 11	M	
3		A1-XXC103P003	04-HV0400-004-P03							B13-R20*1.5-00004	2.5mm ²	2.8 ~ 4.5	L	
4		A1-XXC103P011	04-HV0400-002-P03-02							B13-R20*1.5-00004	2.5mm ²	2.8 ~ 4.5	L	
5		A1-XXC103P004	04-HV0400-002-P03	Y	100	42	78	40	XX103-01-01-01E	XX103-01-00-02B	B13-R20*1.5-00001	2.5mm ²	2.8 ~ 4.5	M
6		A1-XXC103P005	04-HV0400-002-P03-01						XX103-01-01-01D	B13-R20*1.5-00001	4mm ²	7 ~ 11	M	
7		A1-XXC103P006	04-HV0400-004-P03							B13-R20*1.5-00004	2.5mm ²	2.8 ~ 4.5	L	
8		A1-XXC103P014	04-HV0400-002-P03-02							B13-R20*1.5-00004	2.5mm ²	2.8 ~ 4.5	L	