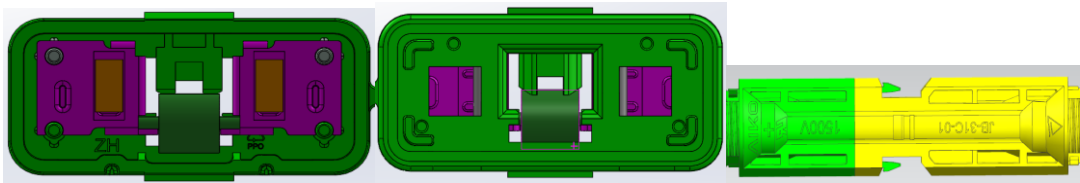
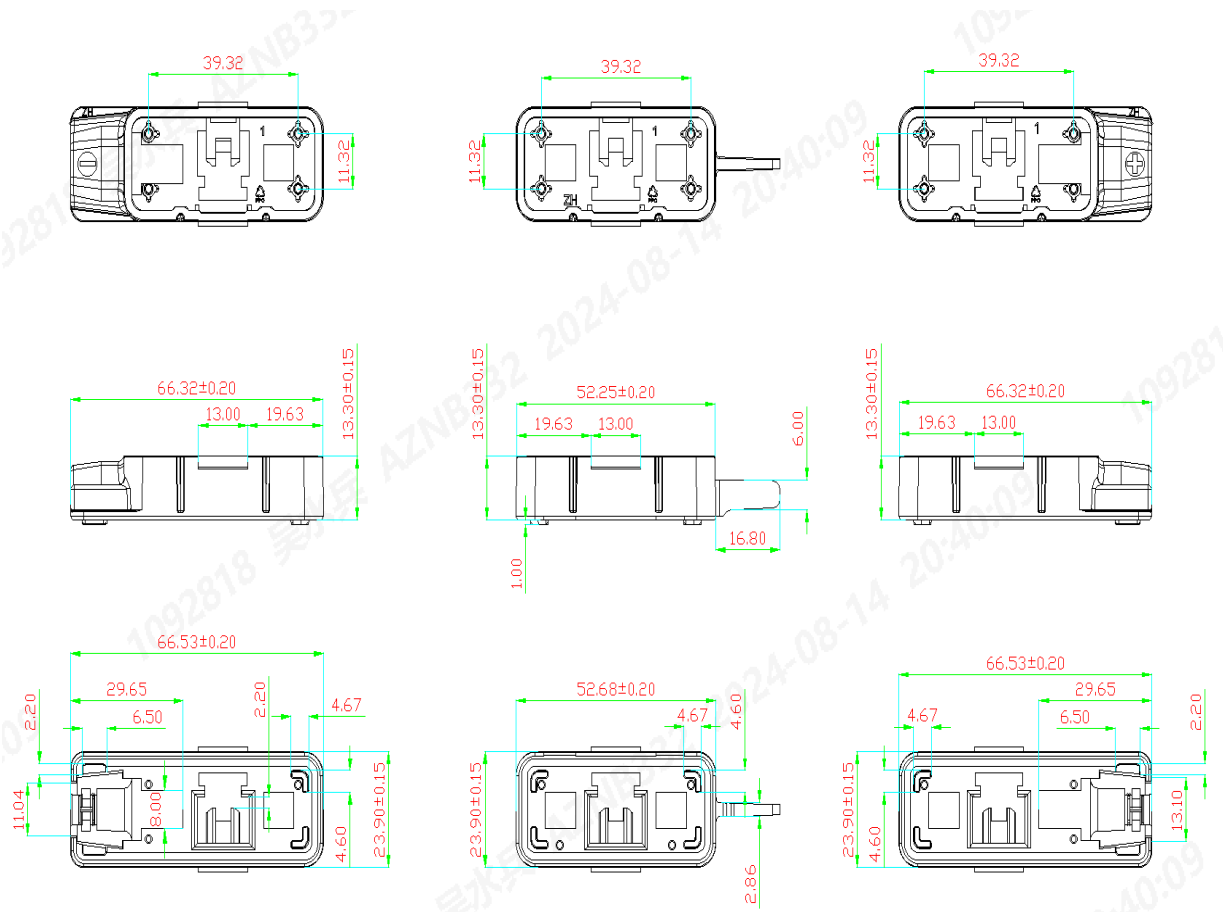


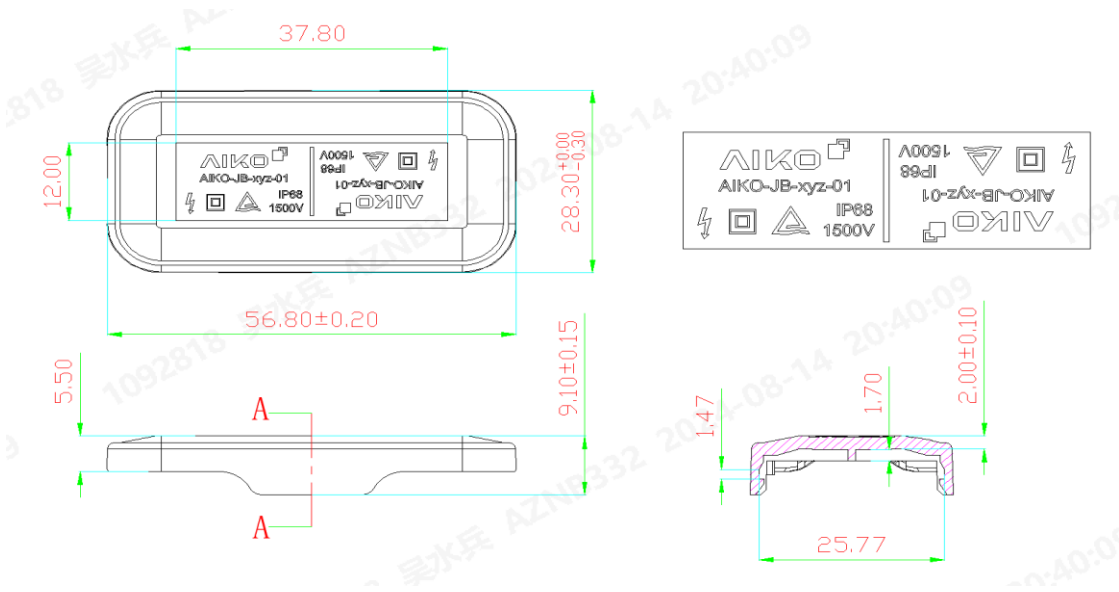
Junction Box sketch map:



Junction Box size:



Lid size:



Cable specification:

Appearance	Black, smooth surface, consistent color, no cracks, no damage, no speckle
Double insulation	Complies with IEC60320
Conductor	Tinned copper stranded wire, conductor section: 4 mm ² , test requirements: IEC60228 CLASS 5
Cable	The length is the same as the order, with fixed accessories
Cable riveting tension	≥310N
Cable resistance	Wire length < 1 m, Contact resistance between connector and junction box < 10 mΩ. 1 m ≤ Wire length < 1.5 m, Contact resistance < 12 mΩ. Wire length ≥ 1.5 m, Contact resistance < 15 mΩ.
Insulating material	XLPE
Weathering resistance	High oil resistance, high fat resistance, high oxidation resistance, high ozone resistance, microbial resistance, UV resistance, high wear resistance
Certifications	IEC62790
Cable riveting compression ratio	70%-95%
Cable printing	⚠ 62930 IEC 131 1×4mm ² HALOGEN FREE LOW SMOKE DC 1500V Aiko

Connector specification:

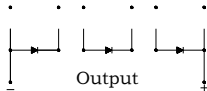
Appearance	Consistent color, no cracks and speckles
Maximum system voltage	TUV $\geq$ 1500V
Contact resistance	$\leq 0.5m\Omega$
Contact material	Copper tin plating
Temperature Range	-40℃~85℃
Nut retracting force	$\geq 1N \cdot M$
Class of protection	IP67 or higher
Safety Class	CLASS II
Certifications	IEC62852+A1
Test Voltage	6.6KV (50HZ, 1min)
Insulation Material	PPE:AKM PV40Z PA:BASF A3XZG5
Number of insertions	≥ 100
Flame retardant rating	UL94-HB/UL94-V0 Or higher
Insertion force	$\leq 130N$
Pullout force	$\geq 150N$
Maximum working current	Meet the requirements of the junction box
Fastness of the terminal	$\geq 200N$

Technical specification:

Certifications	TUV
Certificate No.	R 50618096
Rated Voltage	1500V DC
Temperature Range	-40℃~+85℃
Safety Class	Class II
Protection Degree	IP65/IP68 (1m, 1h)
Wire Size Range	4mm ²
Flame Resistance	5VB

Waterproofing Structure	Potting sealant
Volume Of Silicon Gel	Appr. 3*7.4=22.2ml
Width Of Copper Ribbons	Up to 8.5 mm
Connection Method	Soldering
Insulation Material	PPE+PS
Contact Material	Copper tin plating
Overall Dimension	66.5*23.9*14.3mm(positive、negative); 52.7*23.9*14.3mm (middle)
Optional Connector	EV02, AIK0-01C, PV-ZH202B

Product Family:

Product number	Typical Circuit	Distance between the terminals	NO. of diode	Rated current	Diode type	Certifications
AIK0-JB-xyz		11.3mm	3	25A	35SQ045	TUV
				30A	40SQ045	