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FOR-1755 Rev.1.3

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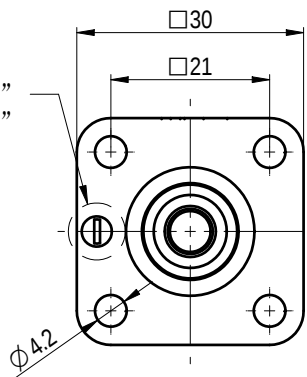
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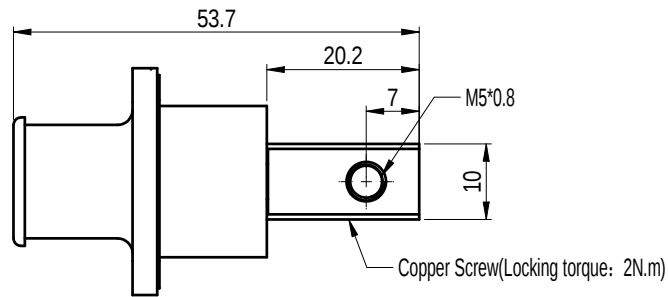
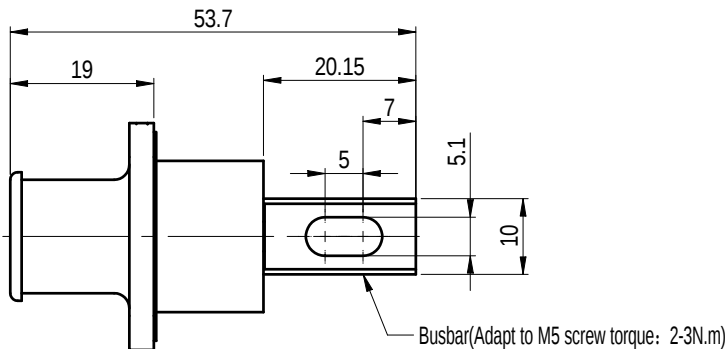
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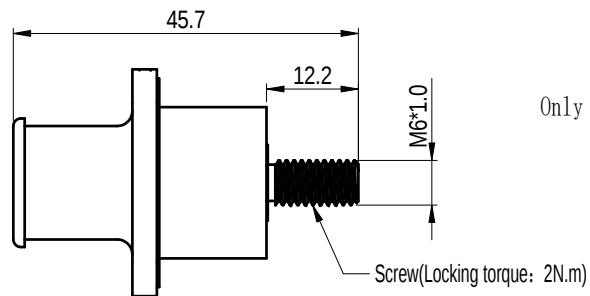
Positive pole “+”
Negative pole “-”



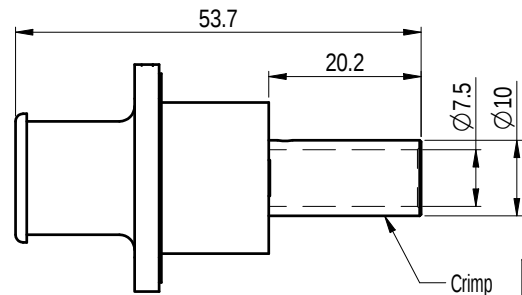
Other wiring forms: Form 1:



Form 2:



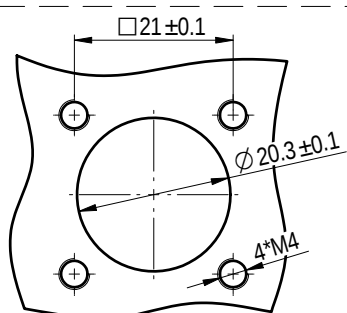
Form 3:



ESS-120A-25-X-XX-00

Color: BK : Black
OR : Orange
RD : Red

Contact Termination: B : Busbar
C : Crimp
S : Screw
B/S : Copper Screw



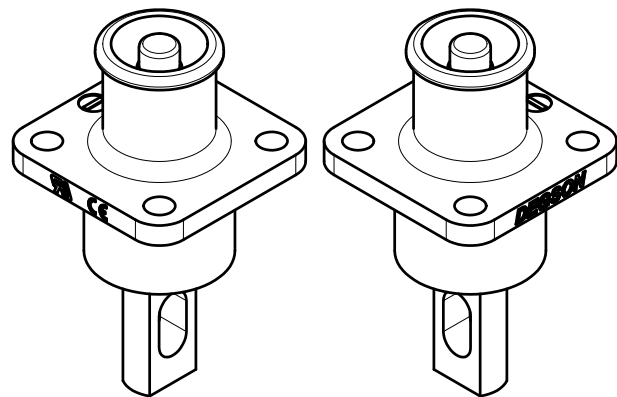
Recommended
Panel Cut-Out

Dimensional tolerance(mm)

0	>30	>60	>100	>150	0.1/10
~30	~60	~100	~150	~150	±2°
±0.25	±0.35	±0.55	±0.80	±1.10	

Technical requirements:	
Color	Black, Orange, Red
Locking method	Buckle
Terminal	Busbar, Screw, Crimp, Copper Screw
Housing material	PA+GF
Connector material	Copper alloy
Insertion force	60N Max
Withdrawal force	>10N
Mechanical working life(mating cycles)	100
Screw torque	M4/0.4° 0.7N.m
Wiring specifications	4AWG or 25mm²
Suggested stripping length	13~14mm (Crimp type)
Wire diameter	9~10.3mm (Crimp type)
Rated voltage	1500V DC
Rated current	120A
Insulate resistance	≥5000MΩ (drying)
Withstanding voltage	6800V/min
Contact resistance	≤0.5mΩ
Overvoltage category	III
Pollution degree	3
Ingress protection	IP67(Mated)
Operating temperature(° C)	-40~+125(including temperature rise)
Salt spray	48H
Storage temperature(° C)	-40~+85
Flame retardant ability	UL94-V0
Conform to RoHS	Yes
ULA128 certification	E526028
TUV certification	50581738

Only in the form of Busbar 3D display:



 DEGSON			MATERIAL:		SURFACE:		
			MAT. NO./REV:		MAT. STATUS:		
APPD:			NAME ESS-120A-25-X-XX-00L(H)				
CHKD:							
DRFT:	Zhang XY	2024.09.19	DRAWING NO.	TYPE	DRAWING STATUS	SCALE	SHEET
	 A4		CUSTOMER DRAWING			1:1	1/1
		mm (inch)					

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