

 DEGSON		MATERIAL:		SURFACE/COLOR:		
		MAT NO./REV: /		MAT STATUS:		
APPD: 刘剑	2024.01.24	NAME ESS-50A-06-X-XX-00				
CHKD: 于进海	2024.01.21					
DRFT: 张晓瑶	2024.01.17					
 A4		DRAWING NO. 200269245	TYPE CUSTOMER DRAWING	DRAWING STATUS	SCALE 1:1	SHEET 1/1

尺寸公差(mm)					 0.05/10  ±1°
0	>30	>60	>100	>150	
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30	60	100	150		
±0.20	±0.30	±0.50	±0.70	±1.00	

技术要求/Technical requirements:	
颜色/Color	Black, Orange, Red
锁紧方式/Locking method	卡扣 (Buckle)
接线方式/Terminal	Busbar, Screw, Crimp, Copper Screw
外壳材料/Housing material	PA+GF
接触件材料/Connector material	铜合金 (Copper alloy)
插入力/Insertion force	65N Max
拔出力/Withdrawal force	>10N
插拔次数/Mechanical working life (mating cycles)	100
安装螺母紧固扭矩/Screw torque	M4/0.4~0.7N.m
接线规格/Wiring specifications	10AWG or 6mm ²
建议剥线长度/Suggested stripping length	7~8mm (Crimp type)
额定电压/Rated voltage	1000V DC
额定电流/Rated current	50A
绝缘电阻/Insulate resistance	≥500MΩ (drying)
耐电压/Withstanding voltage	4250V/min
接触电阻/Contact resistance	≤0.5mΩ
过电压等级/Overvoltage category	III
污染等级/Pollution degree	3
防护等级/Ingress protection	IP67 (Mated)
使用温度范围/Operating temperature (°C)	-40~+125 (including temperature rise)
盐雾/Salt spray	48H
储存温度/Storage temperature (°C)	-40~+85
阻燃等级/Flame retardant ability	UL94-V0
符合RoHS环保要求/Conform to RoHS	Yes
UL4128认证/UL4128 certification	E530802
TUV认证/TUV certification	50581738
满足户外使用/Satisfy outdoor use	Yes

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