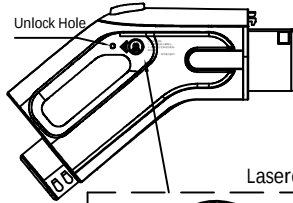
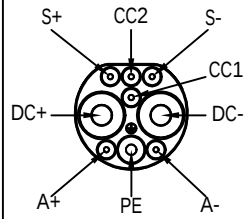


Terminal Pin Layout



Lasered Unlocking Mark



Emergency Release Instructions:
1. Insert the unlock lever into the release hole.
2. Press the release lever inward until it bottoms out to unlock.

Please do not use the unlock lever violently!!

Technical Requirements:

1. Terminal pull-off force: 0.75mm² wires>80N, 1.0mm² wires>110N, 2.5mm² wires>200N, 6mm² wires>450N, 25mm² wires>1900N, 35mm² wires>2200N, 40mm² wires>2200N
2. Coupler material: PC/PA66
3. Conductor material: Silver-plated copper alloy
4. Cable standard: GB/T 33594
5. Continuity verification shows 100% correctness with zero polarity reversal incidents.
6. No scratches, cable damages, dirt, heat shrinkable tube detachment, terminal detachment and other defects should be observed.

Technical Specifications

Rated Voltage: 1000 V DC
Rated Current: 80A, 100A, 125A, 150A, 200A, 250A, 300A
Ambient Temperature: -30°C to +50°C
Cooling method: Natural cooling

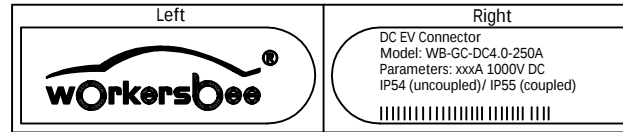
Insulation Resistance:
≥500 MΩ at room temperature;
Complies with GB/T 11918.1 under damp heat conditions

Dielectric Strength:
3500 V AC (50/60Hz) between every two wires of DC+, DC- and PE
Duration: 60 seconds
Leakage current < 5 mA

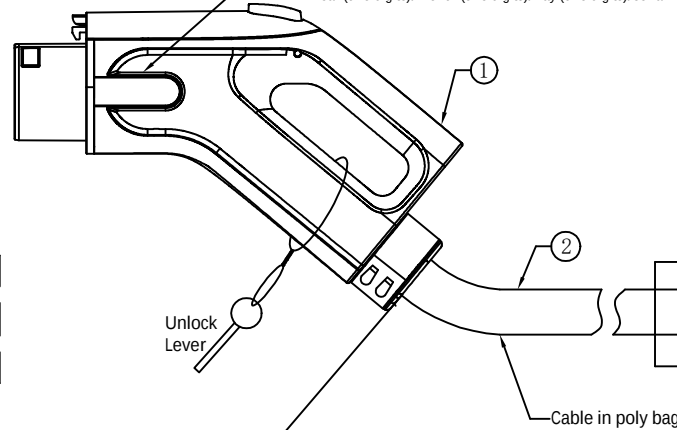
Ingress Protection: IP55 (when mated)
Connector Flame Rating: UL94 V-0
Mating Cycles: 10,000 cycles (unloaded)
Insertion/Withdrawal Force: 70 < F < 140N

★Connector Standard: GB/T 20234

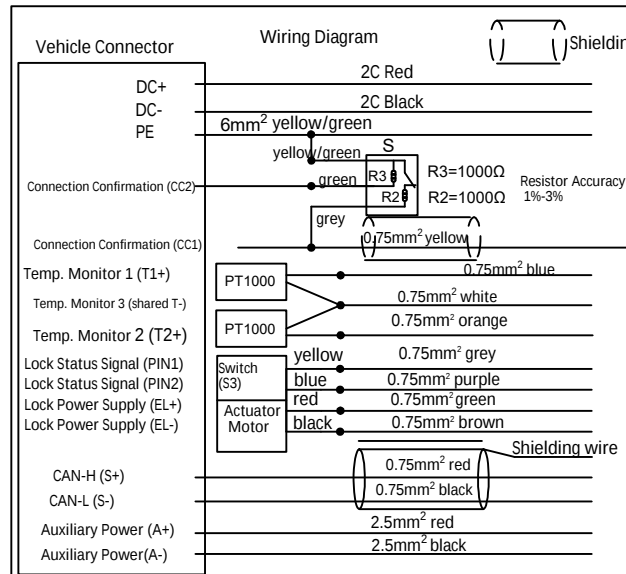
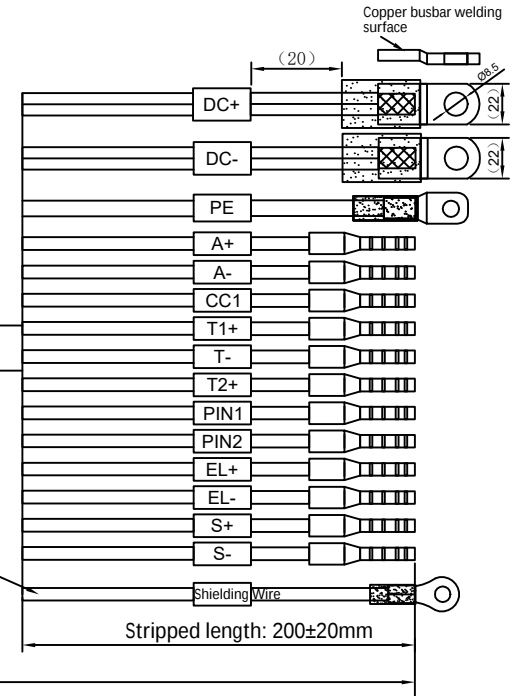
Lasered Information



Barcode Content:
Year (two digits)/Month (two digits)/Day (two digits)/Serial No. (four digits)



Crimp a 1mm² black solid-core wire to the shielding layer of the S+/S-wires.



Note:

1. There are resistors integrated inside the S micro switch:
Resistance between PE and CC1 is 1000Ω;
Resistance between PE and CC2 is 1000Ω.
2. Temperature control method:

Temp.	Resistance
0°C	1.0KΩ
25°C	1.097KΩ
100°C	1.385KΩ

Temp. sensor No. 1 is fixed at the DC+ pin crimping point;
Temp. sensor No. 2 is fixed at the DC- pin crimping point;

Motor Lock Control Principle

The S3 micro switch is a normally open micro switch.

Motor lock rated parameters:

Voltage: DC 12V±10%;
Current: 250mA (motor no-load current ≤50mA; motor stall current 250mA;

The electronic lock must not be continuously energized. It shall operate on pulse current with the following timing parameters:
Unlatching drive time: 100ms < T < 300ms
Latching drive time: 100ms < T ≤ 300ms
Minimum interval between operations: 5s

12V (motor lock power supply positive)	GND (motor lock power supply negative)	Motor Lock (S3)	Feedback Wire Status (S3) (between PIN1 and PIN2)	S Switch
+	-	Lock	On	On
-	+	Unlock	Off	Off (press the latch)