

The Anderson Power Product's family of Euro Battery Connectors also offers a mid range 160 amp connector. Any of the 3 voltage coding pins can also be used in this connector. Coding pins are available for all battery types and are marked for all standard voltages. The customer has the option of using two 4mm auxiliaries along with two 6mm auxiliaries giving them more signaling options.

The EBC 160 amp connector meets DIN 43589-1 and EN 1175-1, carries the CE approval and conforms to the test procedures established in EN 60529:1991.

### FEATURES

- **Streamlined design**  
*Lower cost, ease of assembly and improved functionality*
- **3 hexagonal voltage coding pins for wet, dry/gel and air supply**  
*Coding pins marked for 24V, 36V, 48V, 72V, 80V, and 96V provide additional safety and prevent cross voltage mating*
- **Optional air voltage key**  
*Voltage key and air tube in one component*
- **2 main contacts, 4 auxiliary contacts, voltage key and air supply**  
*All can be used at the same time*



### PRODUCT SPECIFICATION

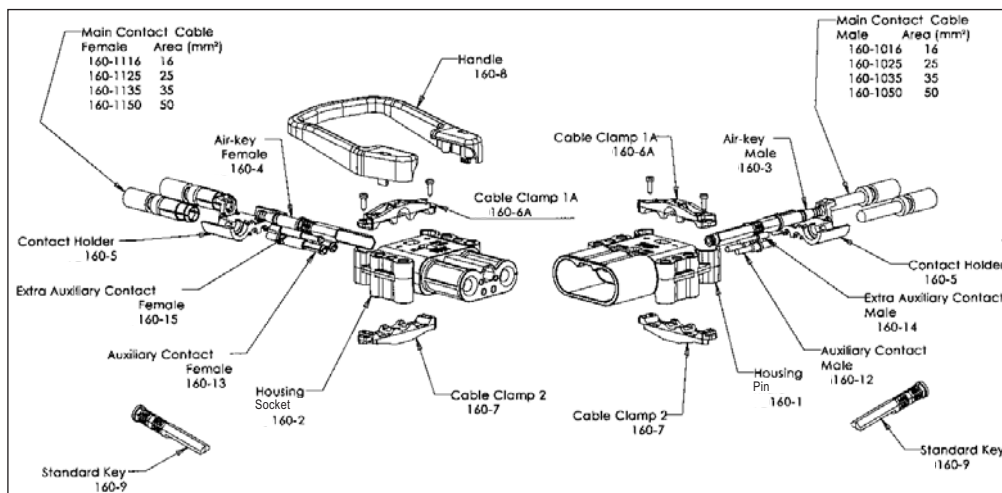
Connector Model	EBC160	Connector Model	EBC160
Current Rating (Amperes)	160	Flammability rating of housing material	Glow Wire
Voltage Ratings (Volts)	150	Housing Material Acid Resistance	Meets EN 1175-1
Wire Size (mm <sup>2</sup> )	16mm <sup>2</sup> to 50mm <sup>2</sup>	Operating Temperature Range °C	-25°C to 90°C
Contact Material	Copper		
Plating Material	Silver		
Housing Material	pa6 Glass Filled Nylon	<i>Meets standards established by EN 1175-1 and DIN 43589-1 Complies with the European Machinery Directive: 89/392/EEC</i>	

### PART NUMBER GUIDE

Our part numbering systems allows you to create your own part number, based on your connector requirements. By using the formula below, you simply fill in the corresponding number based on the features you are looking for.

Example: If you are looking for an 160 amp pin connector, 16 mm, without (handle - air - aux.) and contacts packed in a bag, your part number would be **A16416-0009**.

Position	1st	2nd & 3rd	4th	5th & 6th	7th	8th	9th	10th	
Part Number	A	16	4	16	-	0	0	0	9
Choose one number for each of the 10 positions	A	Amp	Gender	Contact	Handle	Key Type	Auxiliary	Packaging	
		16	4 Plug 5 Socket	16,25,35,50	0 No 1 Yes Black	0 Standard 1 Air 2 Dry/Gel	0 None 1 6mm (two) 2 4mm (two) 4 All	8 Bulk 9 Bag	



## ORDERING INFORMATION

### Plug/Socket

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0009	A16416-1009	A16516-0009	A16516-1009
25mm2	A16425-0009	A16425-1009	A16525-0009	A16525-1009
35mm2	A16435-0009	A16435-1009	A16535-0009	A16535-1009
50mm2	A16450-0009	A16450-1009	A16550-0009	A16550-1009

### Plug/Socket with 2 x 6mm auxiliary contacts

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0019	A16416-1019	A16516-0019	A16516-1019
25mm2	A16425-0019	A16425-1019	A16525-0019	A16525-1019
35mm2	A16435-0019	A16435-1019	A16535-0019	A16535-1019
50mm2	A16450-0019	A16450-1019	A16550-0019	A16550-1019

### Plug/Socket with air supply system

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0109	A16416-1109	A16516-0109	A16516-1109
25mm2	A16425-0109	A16425-1109	A16525-0109	A16525-1109
35mm2	A16435-0109	A16435-1109	A16535-0109	A16535-1109
50mm2	A16450-0109	A16450-1109	A16550-0109	A16550-1109

### Plug/Socket with air supply system & 2 x 6mm auxiliary contacts

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0119	A16416-1119	A16516-0119	A16516-1119
25mm2	A16425-0119	A16425-1119	A16525-0119	A16525-1119
35mm2	A16435-0119	A16435-1119	A16535-0119	A16535-1119
50mm2	A16450-0119	A16450-1119	A16550-0119	A16550-1119

### Plug/Socket with 2 x 4mm auxiliary contacts

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0029	A16416-1029	A16516-0029	A16516-1029
25mm2	A16425-0029	A16425-1029	A16525-0029	A16525-1029
35mm2	A16435-0029	A16435-1029	A16535-0029	A16535-1029
50mm2	A16450-0029	A16450-1029	A16550-0029	A16550-1029

### Plug/Socket with air supply system & 2 x 4mm auxiliary contacts

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0129	A16416-1129	A16516-0129	A16516-1129
25mm2	A16425-0129	A16425-1129	A16525-0129	A16525-1129
35mm2	A16435-0129	A16435-1129	A16535-0129	A16535-1129
50mm2	A16450-0129	A16450-1129	A16550-0129	A16550-1129

### Plug/Socket with both 6mm & 4mm auxiliary contacts

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0049	A16416-1049	A16516-0049	A16516-1049
25mm2	A16425-0049	A16425-1049	A16525-0049	A16525-1049
35mm2	A16435-0049	A16435-1049	A16535-0049	A16535-1049
50mm2	A16450-0049	A16450-1049	A16550-0049	A16550-1049

### Plug/Socket with air and both sets of auxiliaries

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0149	A16416-1149	A16516-0149	A16516-1149
25mm2	A16425-0149	A16425-1149	A16525-0149	A16525-1149
35mm2	A16435-0149	A16435-1149	A16535-0149	A16535-1149
50mm2	A16450-0149	A16450-1149	A16550-0149	A16550-1149

### Plug/Socket with Dry/Gel voltage key

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0209	A16416-1209	A16516-0209	A16516-1209
25mm2	A16425-0209	A16425-1209	A16525-0209	A16525-1209
35mm2	A16435-0209	A16435-1209	A16535-0209	A16535-1209
50mm2	A16450-0209	A16450-1209	A16550-0209	A16550-1209

### Plug/Socket with Dry/Gel voltage key & 6mm auxiliaries

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0219	A16416-1219	A16516-0219	A16516-1219
25mm2	A16425-0219	A16425-1219	A16525-0219	A16525-1219
35mm2	A16435-0219	A16435-1219	A16535-0219	A16535-1219
50mm2	A16450-0219	A16450-1219	A16550-0219	A16550-1219

### Plug/Socket with Dry/Gel voltage key & 4mm auxiliaries

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0229	A16416-1229	A16516-0229	A16516-1229
25mm2	A16425-0229	A16425-1229	A16525-0229	A16525-1229
35mm2	A16435-0229	A16435-1229	A16535-0229	A16535-1229
50mm2	A16450-0229	A16450-1229	A16550-0229	A16550-1229

### Plug/Socket with Dry/Gel voltage key & all auxiliaries

Cable Diameter	Plug	Plug with Handle	Socket	Socket with Handle
16mm2	A16416-0249	A16416-1249	A16516-0249	A16516-1249
25mm2	A16425-0249	A16425-1249	A16525-0249	A16525-1249
35mm2	A16435-0249	A16435-1249	A16535-0249	A16535-1249
50mm2	A16450-0249	A16450-1249	A16550-0249	A16550-1249

### 160 Amp Male 16, 25, 35, 50 mm<sup>2</sup> (Plug)

**Component Parts:** (Conforms to EN1175-1. Ref: SE-0151150-2)

Part Number	Description
160-1	Pin Housing
160-9	Standard Voltage Key
160-17	Dry/Gel Green Voltage Key
160-1016	Main Pin Contact 16mm
160-1025	Main Pin Contact 25mm
160-1035	Main Pin Contact 35mm
160-1050	Main Pin Contact 50mm
160-14	4mm Auxiliary Contacts
160-12	6mm Auxiliary Contacts
160-6A	Upper Cable Clamp
160-7	Lower Cable Clamp
160-5	Contact Holder
160-3	Male Air Key
160-8	Handle
113715P5	2 x Screws Cable Clamp
113715P6	2 x Screws Handle

### 160 Amp Female 16, 25, 35, 50 mm<sup>2</sup> (Socket)

**Component Parts:** (Conforms to EN1175-1. Ref: SE-0151150-2)

Part Number	Description
160-2	Socket Housing
160-9	Standard Voltage Key
160-17	Dry/Gel Green Voltage Key
160-1116	Main Socket Contact 16mm
160-1125	Main Socket Contact 25mm
160-1135	Main Socket Contact 35mm
160-1150	Main Socket Contact 50mm
160-15	4mm Auxiliary Contacts
160-13	6mm Auxiliary Contacts
160-6A	Upper Cable Clamp
160-7	Lower Cable Clamp
160-5	Contact Holder
160-4	Female Air Key
160-8	Handle
113715P5	2 x Screws Cable Clamp
113715P6	2 x Screws Handle