



大電流コネクタ GGシリーズ

*1極最大電流200A

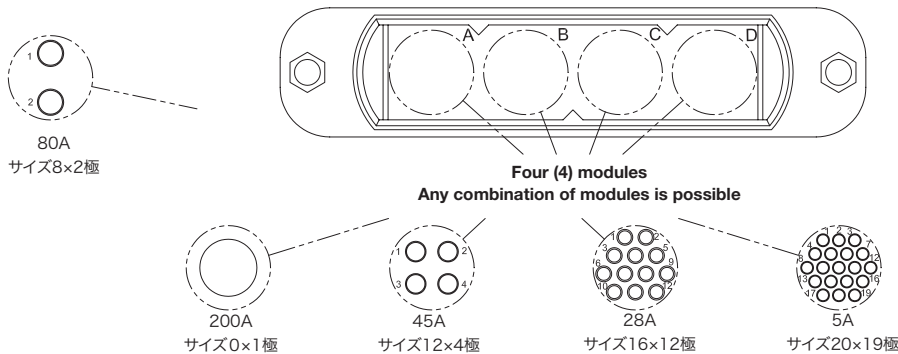
*UL対応

*モジュラータイプ

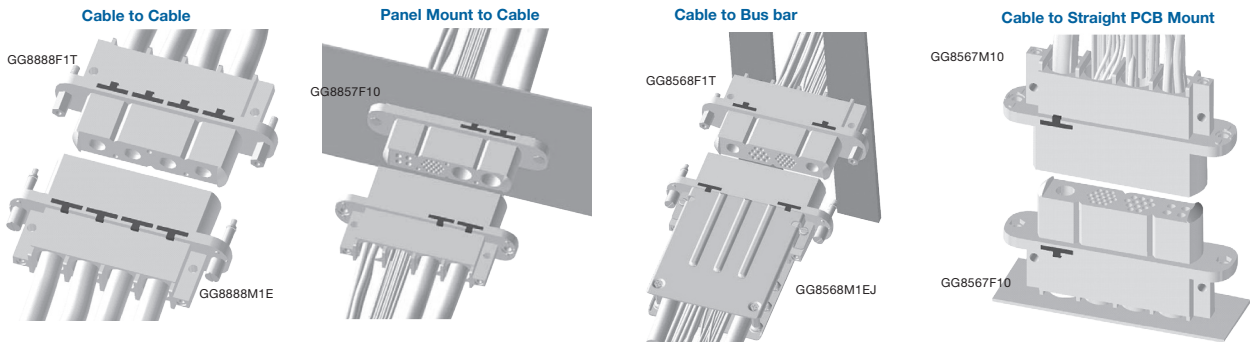
*定格耐圧600V

◇ モジュラータイプ ◇

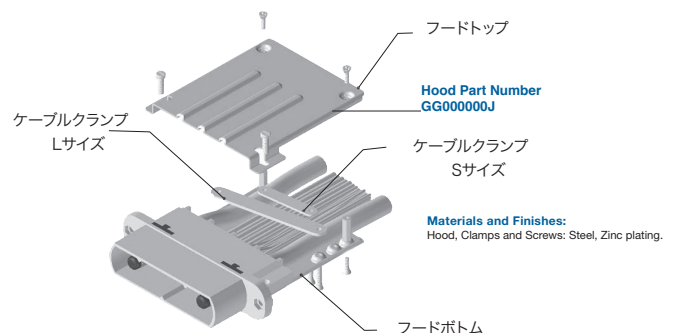
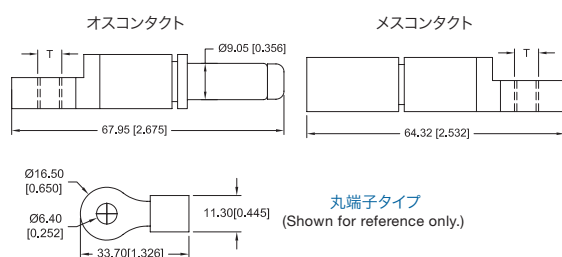
Connector Combination - Total of 256 combinations



◇ システム ◇



◇ 選べる端子タイプ(圧着／丸端子／バスバー) ケーブルカバー ◇



ポジトロニック

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仕様

Materials and Finishes:

Insulators: Glass-filled nylon, UL 94V-0, Gold color
Consult factory for high performance glass-filled polyester material option.

Contacts: Precision machined copper alloy with gold flash over nickel. Other finishes available upon request.

Electrical Characteristics:

Contact Current Rating (per UL 1977):

*Size 0 Contacts: 200 amperes, continuous (high conductivity material).
175 amperes, continuous (standard material).
(Size 0 contact with 0 AWG wire)

Size 12 Contacts: 45 amperes, continuous (high conductivity material).
35 amperes, continuous (standard material).

Size 16 Contacts: 28 amperes, continuous (high conductivity material).
20 amperes, continuous (standard material).

Size 20 Contacts: 5 amperes, nominal (standard material).

Initial Contact Resistance Max (per IEC 512-2, Test 2b) :

Size 0 Contacts: 0.00012 ohms (high conductivity material).
0.00038 ohms (standard material).

Size 12 Contacts: 0.0005 ohms (high conductivity material).
0.0016 ohms (standard material).

Size 16 Contacts: 0.0012 ohms (high conductivity material).
0.0024 ohms (standard material).

Size 20 Contacts: 0.0036 ohms (standard material).

Insulator Resistance (per IEC 512-2, Test 3a): 5 G ohms.

Voltage Proof:

Size 0 Contacts: 3000 V r.m.s.
Size 12 Contacts: 1500 V r.m.s.
Size 16 Contacts: 1500 V r.m.s.
Size 20 Contacts: 1000 V r.m.s.

Working Voltage:

Size 0 Contacts: 250 V r.m.s.
Size 12 Contacts: 500 V r.m.s.
Size 16 Contacts: 500 V r.m.s.
Size 20 Contacts: 333 V r.m.s.

Hot Pluggable, Size 12 Contacts: 250 V AC at 25 amperes for 50 cycles.

Mechanical Characteristics:

Blind Mating System: Molded in guides allow for misalignment up to 4.50 mm [0.177 inch]

Polarization: Provided by connector body design.

Removable Contacts (Size 0):

Insert contact in rear face of insulator and secure with locking clip; release from rear face of insulator by, first, removing locking clip. Female contacts feature "Closed Entry" design.

Removable Contacts (Size 12, Size 16 and Size 20):

Insert/remove contacts via rear face of insulator; release contacts via front face of insulator with a contact extraction tool.

Female contacts feature "Closed Entry" design.

Removable Contact Retention in Connector Body
(per IEC 512-8, Test 15a):

Size 0 Contacts: 132 N [30 lbs.]
Size 12 Contacts: 67 N [15 lbs.]
Size 16 Contacts: 67 N [15 lbs.]
Size 20 Contacts: 44 N [10 lbs.]

Sequential Contact Mating System:

Two level systems featured for Size 16 and Size 20 Contacts.

Consult factory for three levels of sequential contact mating option.

Mechanical Operations: 1,000 cycles.

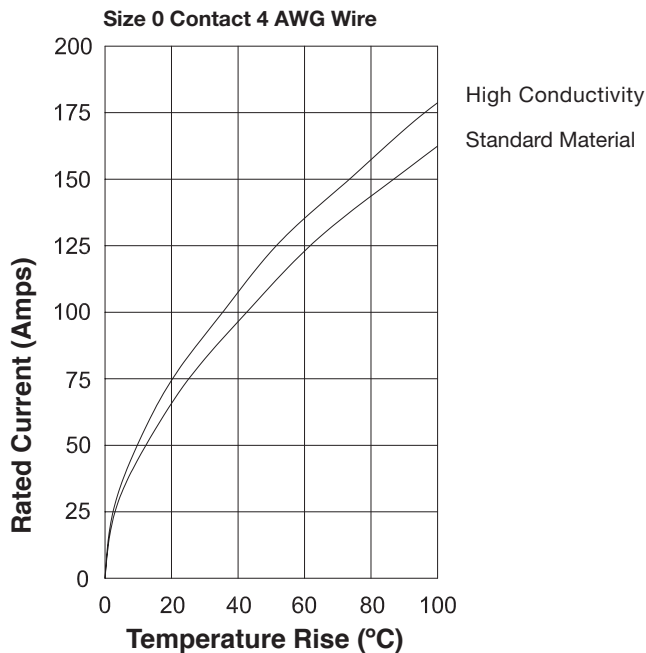
Climatic Characteristic:

Working temperature: -55°C to +125°C.

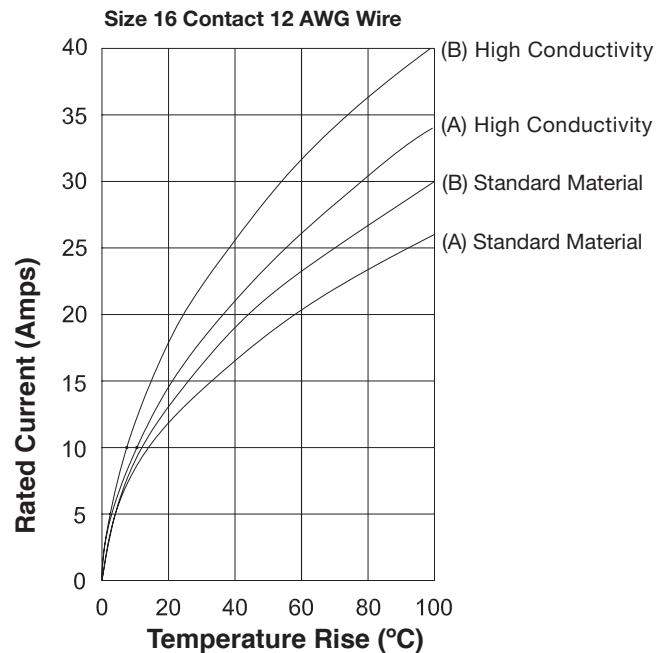
Recognized:

UL: Certification in process.
TüV: Consult factory.

上昇温度



Above curves developed separately using Size 0 contact with 4 AWG wire. Four (4) Size 0 contacts under load.



Above curves developed separately using Size 16 contact with 12 AWG wire. (A) Twelve (12) Size 16 contacts under load. (B) Six (6) Size 16 contacts under load.

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