

GB200

Connection Kit - Splice or Tee Connection, End termination



Product Description

The GB200 is designed to provide tee or splice connections or end terminations for Gaumer Process GHT, GHU or GHK industrial self-regulating heating cables.

The GB series utilize pipe standoff for on-pipe installation to allow heating cables to directly enter the enclosure without the use of insulation while protecting the cables from exposure.

The GB series connection kits use core sealer and RTV adhesive without the need for heatgun for installation. Spring-type terminals provide safe and reliable connections with capacity up to 8AWG conductor sizes.

GB200 junction box has the same dimensions as that of GB100M, but does not have any through holes. GB200 is dedicated for tee or splice connections as well as end terminations.

Ordering Information

GBab-c

- GB = Model name
- a = Application;
 - 100 = Power connection and more
 - 200 = Tee or Splice connection, End termination
 - 300 = End seal, In-line splice connection
- b = Cable entry; S = single, M = multiple
- c = Regions;
 - A = America
 - E = Eurasia (Europe, and Asia)



Specifications

	GB200
Application	Splice or Tee Connection, End Termination
Heating cable capability	GHT-CR, GHT-CT, GHU-CT, GHK-CT
No. of heating cable entry	Up to three heating cables
Ambient temperature range	-40°F ~ 131°F (-40°C ~ 55°C)
Minimum installation temperature	-40°F (-40°C)
Maximum operating voltage	100 ~ 277V
Ingress protection	NEMA Type 4X, IP66
Through hole for conduit	N/A
Maximum conductor sizes	8AWG (10mm ²), 6AWG (16mm ²) optional
Maximum continuous operating current	50A (40A for ATEX and IECEx)

Gaumer Process

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Certification / Approvals



FM24US0113X, FM24CA0042X

Hazardous (classified) locations
Indoors and outdoors
Class I, Division 2, Groups A, B, C and D T*
Class II/III, Division 2, Groups E, F and G T*
Class I, Zone 1, AEx/Ex eb IIC Gb;
Zone 21, AEx/Ex tb IIIC T* °C Db;
NEMA Type 4X, IP66



FM24ATEX0018X

II 2 G Ex 60079-30-1 IIC T* Gb;
II 2 D Ex 60079-30-1 IIIC T* °C Db;
II 2 G Ex eb IIC Gb; II 2 D Ex tb IIIC Db;
IP66

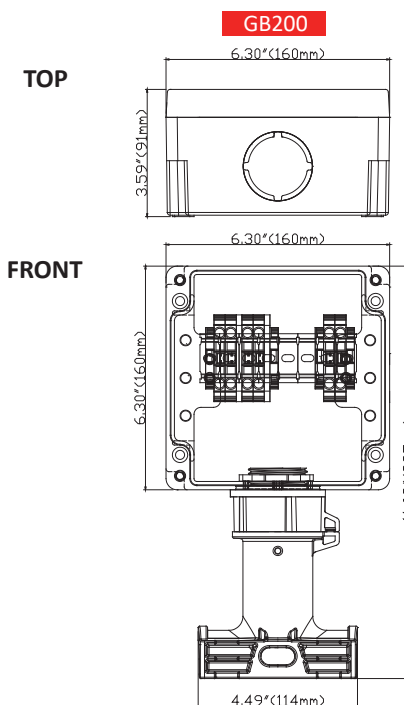


IECEX FMG 24.0017X

Ex eb IIC T* Gb;
Ex tb IIIC T* °C Db
IP66

T* = For T-rating, please refer to cable documentation.

Dimensions



Material information

Contents	<ul style="list-style-type: none"> 1 Junction box with terminal blocks 1 Lid and 4 screws 1 Pipe stand, compression cap, locknut and cable tie 3 Grommets for different cable sizes 3 Core sealers 3 Insulation tubes 2 Grommet plugs 1 RTV sealant 2 O-rings 1 Wrench
Enclosure material	<ul style="list-style-type: none"> Glass reinforced polymer junction box Glass reinforced polymer lid with stainless steel screws Glass reinforced polymer box stand
Installation accessories (Sold separately)	<ul style="list-style-type: none"> Conduit and fittings Pipe Strap Fiberglass tape Aluminum tape
Tools required	<ul style="list-style-type: none"> Wire cutters, Utility knife, Marking pen Large slotted screwdriver 3/16" (or 5mm) hex key Adjustable pliers, Needle nose pliers

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