

GB100S

Connection Kit - Power Connection; Single Entry



Product Description

The GB100S is designed to provide power connection for GHT, GHU or GHK industrial self-regulating heating cables of Gaumer Process.

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.

GB100S-A has enclosure with one NPT 3/4" through hole, GB100S-E with one M25 through hole for power entry, to energize single heating cable. GB100S may also be used as splice of two heating cables or end of the circuit termination if the through hole is blocked with a certified plug.

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

	GB100S-A	GB100S-E
Application	Power Connection with Single Entry	Same as for GB100S-A
Heating cable capability	GHT-CR, GHT-CT, GHU-CT, GHK-CT	Same as for GB100S-A
No. of heating cable entry	One heating cable	One heating cable
Maximum operating voltage	100 ~ 277V	100 ~ 277V
Ingress protection	NEMA Type 4X, IP66	IP66
Ambient temperature range	-40°F ~ 131°F	-40°C ~ 55°C
Minimum installation temperature	-40°F	-40°C
Through hole for conduit	NPT ¾"	M25
Maximum conductor sizes	8AWG (6AWG optional)	10mm ² (16mm ² optional)
Maximum continuous operating current	50A	40A

[Note] GB100S requires box stopping plug for splice or end termination.

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



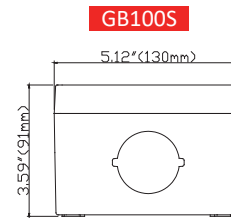
IECEX FMG 24.0017X**

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

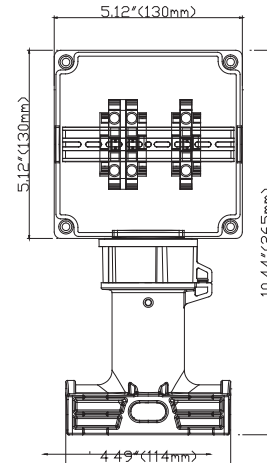
T * = For T-rating, please refer to cable documentation.
** = Certificate pending

Dimensions

TOP



FRONT



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 1 Core sealer 1 Insulation tube 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 Box plug 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

Gaumer Process

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