

GB100S

Power Connection; Single Entry



Product Description

The GB100S Series is an above-insulation power connection kit for use with Gaumer GHT-CR, GHT-CT, GHU-CT and GHK-CT self-regulating heating cables. This kit can be utilized to connect power to one heating cable, and can be used for splice of two heating cables and end termination if the through hole is blocked with sealing plug kit.

The GB series utilizes pipe stand for on-pipe installation to allow heating cables to directly enter the enclosure without the use of insulation while protecting the cables from exposure. For heating cable terminations, GB series 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 for fine-stranded conductors.

GB100S-A has junction box with one NPT 3/4" through hole, while GB100S-E has junction box with one M25 through hole for conduit and fittings.

Ordering Information

GB100S-a

GB = Connection kit series
100 = Application;
100 = Power connection and more
200 = Tee or Splice connection, End termination
300 = End seal, In-line splice connection
S = Cable entry; S = single, M = multiple
a = Regions;
A = America
E = Eurasia



Specifications

	GB100S-A	GB100S-E
Application	Power Connection for single heating cable	Same as GB100S-A
Heating cable capability (No. of heating cable entry)	GHT-CR, GHT-CT, GHU-CT, GHK-CT (One heating cable)	Same as GB100S-A
Supply 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	10mm ²
Maximum circuit breaker size	50A	40A

[Note] GB100S requires Gaumer Sealing Plug Kit for splice or end termination.

*If a maximum conductor size of 6AWG (16mm²) is required, please contact Gaumer Process for larger terminal blocks.

Gaumer Process

Address 13616 Hempstead Road · Houston, TX, U.S.A., 77040

Web www.gaumer.com Tel +1 (800) 460 5200 E-mail sales@gaumer.com



1/2



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 T* IIC Gb;
 Zone 21, AEx/Ex tb IIIC T* °C Db;
 Ta = -40°C to +55°C
 NEMA Type 4X, IP66



FM24ATEX0018X
 Ex II 2 G Ex eb IIC T* Gb;
 Ex II 2 D Ex tb IIIC T* °C Db;
 Ta = -40°C to +55°C
 IP66

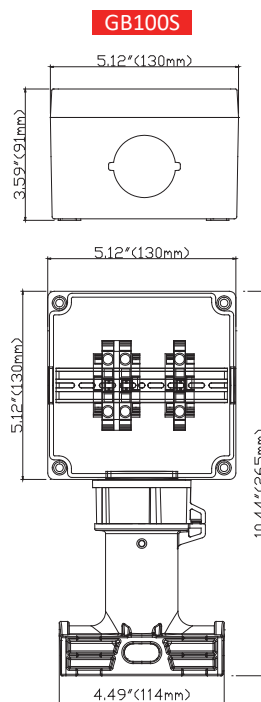


IECEx FMG 24.0017X
 Ex eb IIC T* Gb;
 Ex tb IIIC T* °C Db
 Ta = -40°C to +55°C
 IP66

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

TOP

FRONT



Material information

Contents	1 GB100S series junction box assembly with terminal blocks 1 Pipe stand and O-ring 1 Compression cap, square-ring, locknut 3 Grommets(S, M, L) for different cable sizes 1 Core sealer 1 Insulation tube 1 RTV sealant 1 Wrench 1 Cable tie
Enclosure material	Glass reinforced polymer junction box Glass reinforced polymer lid with stainless steel screws Glass reinforced polymer box stand
Installation accessories (Sold separately)	Conduit and fittings Sealing plug kit Pipe Straps Fiberglass tape Aluminum tape
Tools required	Wire cutters, Utility knife, Marking pen Large slotted screwdriver 3/16"(or 5mm) hex key Adjustable pliers, Needle nose pliers

[NOTE] Refer to the GB Kit Installation Instructions for full and current material details.

Technical information subject to change without notification.