



INSTRUMENT / DEVICE – UL / CSA / ATEX / IECEx



GEB-C with Cover



Application Example



Class I, Div. 1 & 2, Groups B, C, D
 Class I, Zone 1 & 2, Groups IIC, IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 Enclosure Type 3, 4 & 4X IP66

UL - File E83969
 SP Certified - LR11716

Sira 12ATEX1243U
 IECEx SIR 12.0106U

II 2 G D
 Ex d IIC Gb
 Ex e IIC Gb
 Ex t IIIC Db
 Service Ta = -40°C to +163°C* IP66

FEATURES-SPECIFICATIONS

Applications

GEB-EX Series is designed to house small instrumentation or devices for installation in a classified or a zone designated hazardous location anywhere on the globe today.

Typical types of instruments are transmitters, monitors, detectors, measurement devices, relays and other control devices.

The GEB-EX Series enclosures are suitable for a broad range of Global Applications meeting both domestic and international electrical code requirements.

Features

- Body opening 3-1/2" Dia. x 3" deep.
- Cover o-ring supplied as standard for TYPE 4X and IP66 applications.
- Available in 4 configurations, C, L, T & X with 1/2" through 1-1/2" NPT taper threaded hubs providing ground continuity.
- Smooth integral hub busing to protect conductor insulation when pulling.
- Metric M20 through M50 openings also available.
- External cover threads on the body protecting conductors from damages during pulling.
- No pinching of conductors during cover installation.
- One internal & two external grounding (earthing) connections
- Boxes have integral mounting lugs.
- Lugs on cover permit easy removal and tightening.

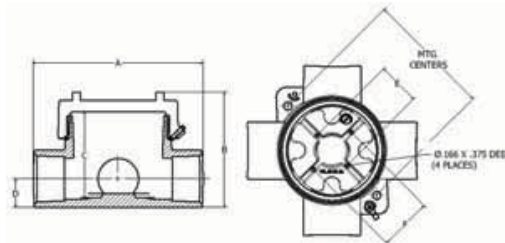
Materials

- Box & cover: Copper free aluminum (less than 4/10 of 1%)
- Finish: Electrostatically applied powder coating – Grey
- O-Ring Gasket Material: Nitrile compound
- Hub Sizes: 1/2 NPT to 1-1/2 NPT and M20 to M50
- Stainless steel tamper-proof locking set screw in cover.
- "X" configured cast-in mounting pad. Supplied with 4 corded holes for #8-32 self-tapping screws for mounting devices as standard. Units can also be provided with internal customer specified drilling and tapping for OEM device mounting.

HUB TYPE	CATALOG NUMBER	HUB SIZE	CATALOG NUMBER	HUB SIZE	HUB TYPE	CATALOG NUMBER	HUB SIZE	CATALOG NUMBER	HUB SIZE
C	GEB-C-1-EX	1/2"⊙	GEB-C-M20-EX	M20	L	GEBL-1-EX	1/2"⊙	GEBL-M20-EX	M20
	GEB-C-2-EX	3/4"	GEB-C-M25-EX	M25		GEBL-2-EX	3/4"	GEBL-M25-EX	M25
	GEB-C-3-EX	1"	GEB-C-M32-EX	M32		GEBL-3-EX	1"	GEBL-M32-EX	M32
	GEB-C-4-EX	1-1/4"	GEB-C-M40-EX	M40		GEBL-4-EX	1-1/4"	GEBL-M40-EX	M40
	GEB-C-5-EX	1-1/2"	GEB-C-M50-EX	M50		GEBL-5-EX	1-1/2"	GEBL-M50-EX	M50
T	GEB-T-1-EX	1/2"⊙	GEB-T-M20-EX	M20	X	GEBX-1-EX	1/2"⊙	GEBX-M20-EX	M20
	GEB-T-2-EX	3/4"	GEB-T-M25-EX	M25		GEBX-2-EX	3/4"	GEBX-M25-EX	M25
	GEB-T-3-EX	1"	GEB-T-M32-EX	M32		GEBX-3-EX	1"	GEBX-M32-EX	M32
	GEB-T-4-EX	1-1/4"	GEB-T-M40-EX	M40		GEBX-4-EX	1-1/4"	GEBX-M40-EX	M40
	GEB-T-5-EX	1-1/2"	GEB-T-M50-EX	M50		GEBX-5-EX	1-1/2"	GEBX-M50-EX	M50
	GEB-T-24-EX	3/4 – 1-1/4"	GEB-T-M25M40-EX	M25-M40					
	GEB-T-25-EX	3/4 – 1-1/2"	GEB-T-M25M50-EX	M25-M50					

⊙ GEB*-2-EX supplied with 3/4" to 1/2" reducers

DIMENSIONS									
A	B	C	D	E	F	COVER OPENING	VOLUME IN ³ / ML	MOUNTING CENTERS	
6.5" (165)	4.31" (110)	2.94" (75)	1.09" (28)	1.62" (41)	2.03" (51)	3.5" (89)	29 (48)	4.81" (122)	

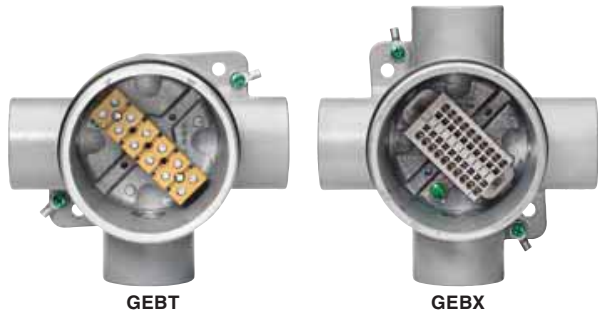




GEB SERIES



STOCK TERMINAL BOXES - UL / CSA / ATEX / IEC EX WITH PANEL MOUNTED TERMINALS



CLASSIFIED - File E83969
 UL
 SP - Certified - LR11716
 Sira 12ATEX1244
 IEC Ex SIR 12.0107

Class I, Div. 1 & 2, Groups B, C, D
 Class I, Zone 1 & 2, Groups IIC, IIB, IIA
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 Enclosure Type 3, 4 & 4X IP66
 II 2 G D CE 0539
 Ex d IIC T3* Gb
 Ex t IIIC T200°C* Db
 Ta = -40°C to +138°C IP66



FEATURES-SPECIFICATIONS

Applications

Used within hazardous areas to splice or terminate conductors by means of a terminal block.

Acts as a pull and splice box.

Provides access to conductors for maintenance and future

Used to link and distribute electrical wires through a conduit or gland system to field controlled devices or sensors.

Features

- Cover o-ring supplied as standard for **Type 4X and IP66** applications
- Available in 3 configurations, C, T & X with **either 3/4" or 1" NPT taper threaded hubs** providing ground continuity
- Smooth integral hub bushing to protect conductor insulation when pulling
- Also available in M20 through M50 metric sizes
- No pinching of conductors during cover installation
- Three options of terminal blocks to select from
- One Internal and two external grounding (earthing) screws.
- Lugs on covers permits for easy removal and tightening

Industrial Applications

- Petroleum Refineries
- Oil Rigs & Platforms
- Chemical/Petrochemical Plants
- Pharmaceutical Facilities
- Automotive Repair Facilities
- Aircraft Facilities
- Wet/Corrosive Environments
- Grain Elevators

Materials

- Box & cover: Copper free aluminum (less than 4/10 of 1%)
- Finish: Electrostatically applied powder coating – Grey
- O-Ring Gasket Material: Nitrile compound
- Hub Sizes: 3/4 NPT & 1" NPT
- Stainless steel tamper-proof locking set screw in cover

Terminal Blocks Specifications

8TBMK: Weidmuller® MK3/8 Qty 8 points
 UL = 600VAC, 5AMP, #22 to #12 AWG
 CSA = 300VAC, 25AMP, #22 to #12 AWG
 IEC = 400VAC, 24AMP, 2.5mm²

6TBMK: Weidmuller® MK6/6 Qty 6 points
 UL = 300VAC, 20AMP, #22 to #10 AWG
 CSA = 300VAC, 40AMP, #22 to #10 AWG
 IEC = 690VAC, 41AMP, 6mm²

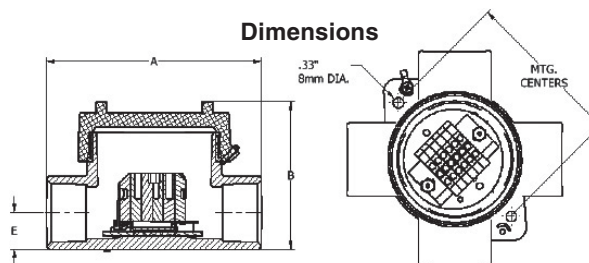
10TBMK: Weidmuller® ZDUB2.5 Qty 10 points
 UL = 600VAC, 20AMP, #26 to #12 AWG
 CSA = 600VAC, 25AMP, #26 to #12 AWG
 IEC = 690VAC, 24AMP, 2.5mm²

***T Codes Ratings / Wattage Input**

- 20 Watts of Power
 Ta 48°C = T6 / T85°C
 Ta 63°C = T5 / T100°C
 Ta 98°C = T4 / T135°C
 Ta 163°C = T3 / T200°C
- 30 Watts of Power
 Ta 50°C = T5 / T100°C
 Ta 85°C = T4 / T135°C
 Ta 150°C = T3 / T200°C
- 40 Watts of Power
 Ta 38°C = T5 / T100°C
 Ta 73°C = T4 / T135°C
 Ta 138°C = T3 / T200°C

A	B	E	COVER OPENING	VOLUME IN ³ / ML	MOUNTING CENTERS
5.5" 140mm	4.31" 110mm	1.09" 28mm	3.5" 89mm	29 48ml	4.81" 122mm

HUB TYPE	CATALOG NUMBER	HUB SIZE	CATALOG NUMBER	HUB SIZE
C	GEBX-2-8TBMK-EX	3/4"	GEBX-3-8TBMK-EX	1"
	GEBX-2-6TBMK-EX		GEBX-3-6TBMK-EX	
	GEBX-2-10TBZD-EX		GEBX-3-10TBZD-EX	
T	GEBT-2-8TBMK-EX	3/4"	GEBT-3-8TBMK-EX	1"
	GEBT-2-6TBMK-EX		GEBT-3-6TBMK-EX	
	GEBT-2-10TBZD-EX		GEBT-3-10TBZD-EX	
X	GEBX-2-8TBMK-EX	3/4"	GEBX-3-8TBMK-EX	1"
	GEBX-2-6TBMK-EX		GEBX-3-6TBMK-EX	
	GEBX-2-10TBZD-EX		GEBX-3-10TBZD-EX	





TERMINAL BOXES - UL / CSA / ATEX / IEC Ex CONFIGURED PANEL MOUNTED TERMINALS



GEBX Open



GEBT Open

CLASSIFIED
UL - File E83969
SP - Certified - LR11716
Sira 12ATEX1244
IEC Ex SIR 12.0107

Class I, Div. 1 & 2, Groups B, C, D
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Class II, Div. 1 & 2, Groups E, F, G
Class III
Enclosure Type 3, 4 & 4X IP66
II 2 G D Ex d IIC T* Gb Ex t IIIC T**C Db Ta = -40°C to +*°C IP66
CE 0539



FEATURES-SPECIFICATIONS

Applications

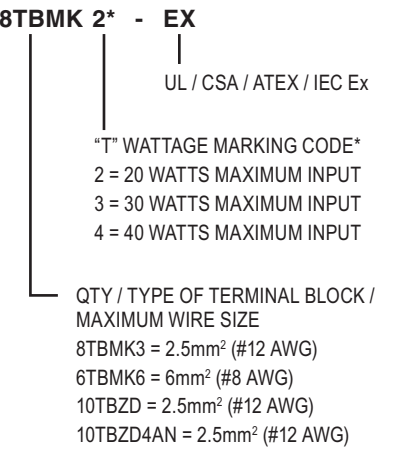
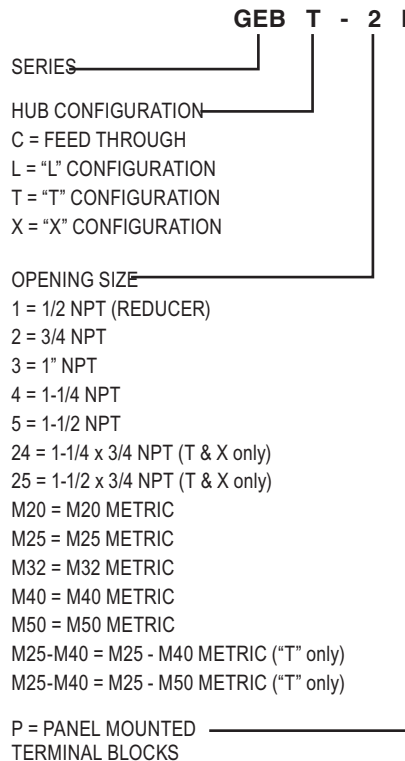
Used within hazardous areas to splice or terminate conductors by means of a terminal block.
Acts as a pull and splice box.
Provides access to conductors for maintenance and future
Used to link and distribute electrical wires through a conduit or gland system to field controlled devices or sensors.

Features

- Cover o-ring supplied as standard for **Type 4X and IP66** applications
- Available in 4 configurations, C, L, T & X with **either 1/2" to 1-1/2" NPT taper threaded hubs** providing ground continuity
- Smooth integral hub bushing to protect conductor insulation when pulling
- Also available in M20 through M50 metric sizes
- External cover threads on the body protecting conductors from damages during pulling.
- No pinching of conductors during cover installation
- Two terminal block manufacturers to choose from, Weidmuller® and ABB®
- Three options of terminal blocks to select from
- One Internal and two external grounding (earthing) screws.
- Lugs on covers permits for easy removal and tightening

Materials

- Box & cover: Copper free aluminum (less than 4/10 of 1%)
- Finish: Electrostatically applied powder coating - Grey
- O-Ring Gasket Material: Nitrile compound supplied as a standard on all units
- Hub Sizes: 1/2 NPT to 1-1/2" NPT and M20 to M50
- Stainless steel tamper-proof locking set screw in cover



Terminal Blocks Specifications

8TBMK: Weidmuller® MK3/8 Qty 8 points
UL = 600VAC, 5AMP, #22 to #12 AWG
CSA = 300VAC, 25AMP, #22 to #12 AWG
IEC = 400VAC, 24AMP, 2.5mm²

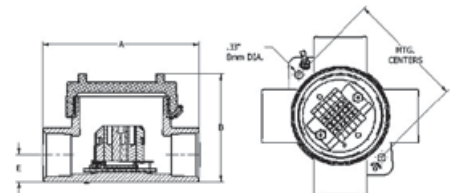
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IEC = 690VAC, 24AMP, 2.5mm²

10TBMK4AN: Weidmuller® ZDUB2.5/4AN/DM 4 Connections Qty 10 points
UL = 600VAC, 20AMP, #26 to #12 AWG
CSA = 600VAC, 25AMP, #26 to #12 AWG
IEC = 690VAC, 24AMP, 2.5mm²

*T Codes Ratings / Wattage Input

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Ta 38°C = T5 / T100°C
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A	B	E	COVER OPENING	VOLUME IN ³ / ML	MOUNTING CENTERS
5.5" 140mm	4.31" 110mm	1.09" 28mm	3.5" 89mm	29 48ml	4.81" 122mm



GEB SERIES



TERMINAL BOXES - UL / CSA / ATEX / IEC EX DIN RAIL MOUNTED TERMINALS



GEBX

CLASSIFIED - File E83969
 Certified - LR11716
 Sira 12ATEX1244
 IEC Ex SIR 12.0107

Class I, Div. 1 & 2, Groups B, C, D
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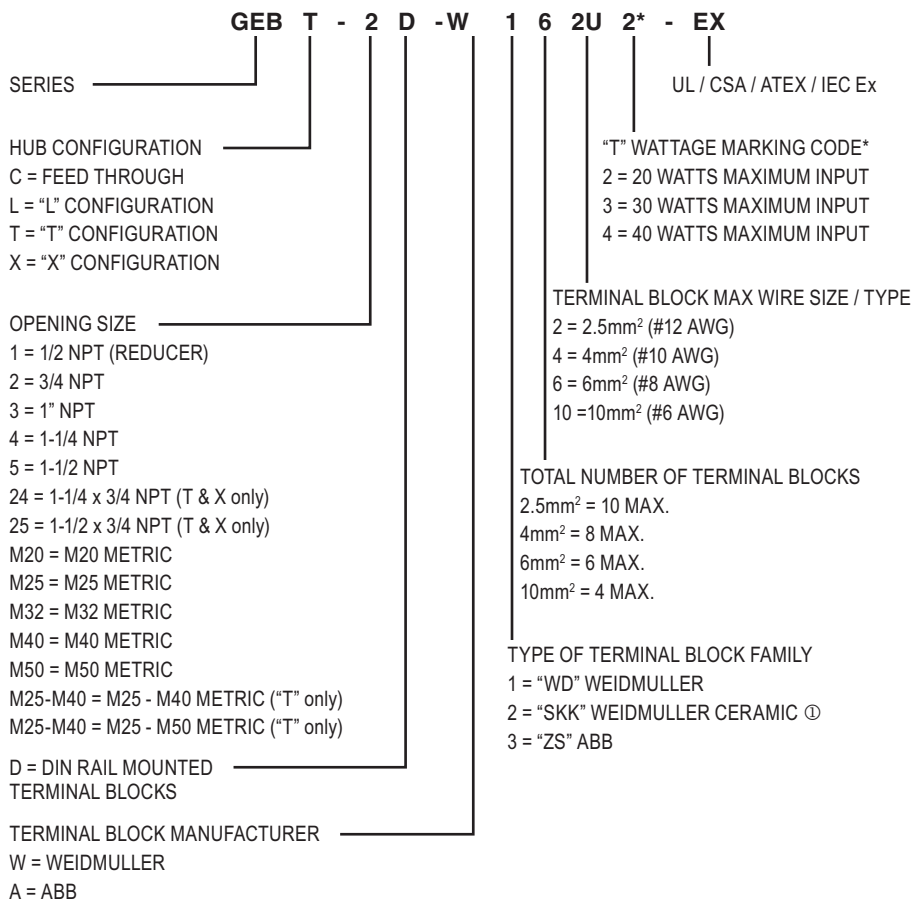
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Features

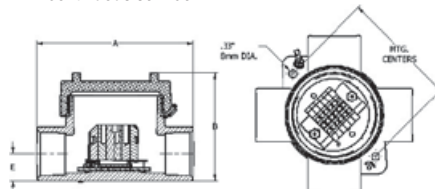
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- Three options of terminal blocks to select from
- One Internal and two external grounding (earthing) screws.
- Lugs on covers permits for easy removal and tightening

Materials

- Box & cover: Copper free aluminum (less than 4/10 of 1%)
- Finish: Electrostatically applied powder coating – Grey
- O-Ring Gasket Material: Nitrile compound supplied as a standard on all units
- Hub Sizes: 1/2 NPT to 1-1/2" NPT and M20 to M50
- Stainless steel tamper-proof locking set screw in cover



Ⓛ SKK available in 4mm² blocks only and max qty is 6. The SKK are rated up +250°C continuous service



A	B	E	COVER OPENING	VOLUME IN ³ / ML	MOUNTING CENTERS
5.5"	4.31"	1.09"	3.5"	29	4.81"
140mm	110mm	28mm	89mm	48ml	122mm

*T Codes Ratings / Wattage Input

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