BAR TEC Ex type GB 5103 - 1221/2090

(NEW SHORTFORM ORDER REFERENCE GB-122)

Explosion Protection: EExe II T6, Increased Safety

BASEEFA Certificate of Conformity: Ex 90C3070X
BS5501 Parts 1 & 6
EN50014 and EN50019

Ingress Protection: IP66 BS5420, IEC144

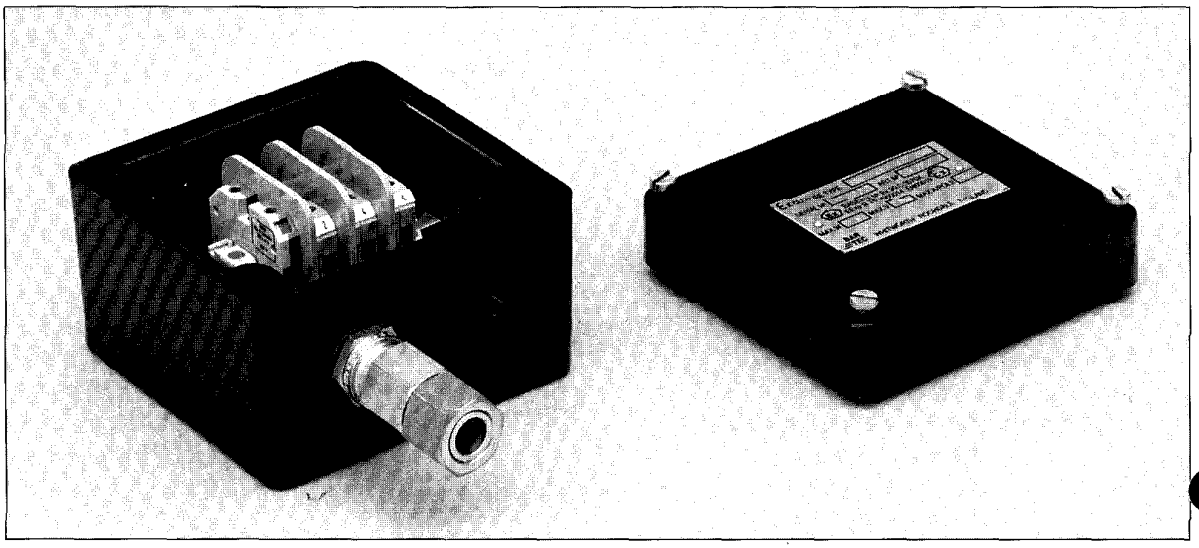
Materials: Black glass filled polyester enclosure
flame retardant to IEC92.1, UL94VO
Anti static < 10^9 Ohm
Impact resistant > 2 x 7 Nm, BS5501 Part 1
Lid screws, captive stainless steel slot head
Lid gasket, captive silicone 'O' ring

*****ERA/SHELL WATER DELUGE TESTED*****

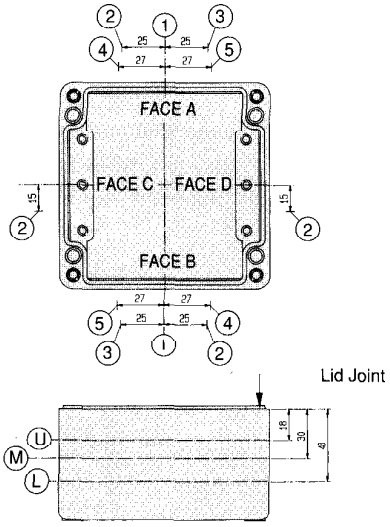
Optional Extras: External Hinges
Socket head lid screws
External fixing brackets
Additional labels
Brass continuity plate
External earth

Technical Information
Please refer to pages 18 & 19 or ask our technical sales office for help and advice if assistance is required.The exclosures are also available as component approved empty enclosures and additional approval is required prior to fitting in a hazardous area.

*****NOW AVAILABLE IN A RANGE OF COLOURS*****



OVERALL DIMENSIONS 122 x 120 x 90mm.



Thread Size	Face Ref.	Tappings Per Face	Tapping Positions
16/20mm 3/4" ET PG 13.5 PG 11	A & B	2	2M, 3M
	A & B	1	1M
	C & D	1	2M
25mm 1" ET PG 16	A & B	2	2M, 3M Please note: Maximum Locknut A/C=40mm
	A & B	1	1M
16/20mm (Special)	A & B	3*	1U, 4L, 5L

* Not possible when continuity plate is fitted.

1. When mixed tapping sizes are required on a face, they must occupy the positions shown for the largest entry size on the face.
2. Special entry positions such as rear entries, and *sizes are available, please ask for further informati*
3. Entries only permitted in Faces A & B when the BK 12 terminal is fitted.

Terminal Type	Max Volts	Max Current Column 1 Max No of Terminals	Max Amps	Conductor Size Stranded & Solid Min	Conductor Size Stranded & Solid Max	Continuity Plate Fitted YES	Continuity Plate Fitted NO
SAK 2.5	550	10+EK4	15	0.5 mm²	2.5 mm²	ART N° E1000	ART N° E1001
SAK 4	550	8+EK4	21	0.5 mm²	4 mm²	ART N° E1002	ART N° E1003
SAK 6N	550	6+EK10	26	0.5 mm²	6 mm²	ART N° E1004	ART N° E1005
SAK 10	550	5+EK10	37	2.5 mm²	10 mm²	ART N° E1006	ART N° E1007
MK 6/6	418	1+BET2	26	0.5 mm²	6 mm²	ART N° E1008	ART N° E1009
BK 3	275	1+BET2	21	0.5 mm²	4 mm²	ART N° E1010	ART N° E1011
BK 4	275	1+BET2	21	0.5 mm²	4 mm²	ART N° E1012	ART N° E1013
BK 6	275	1+BET2	21	0.5 mm²	4 mm²	ART N° E1014	ART N° E1015
BK 12	275	1+BET2	20	0.5 mm²	4 mm²	ART N° E1016	ART N° E1017
BTB 4 (4 way)	660	1+BET2	37	0.5 mm² Stranded	4 x 6 mm² or 2 x 10 mm² + 1 x 6 mm²	ART N° E1018	ART N° E1019
BTB 6 (6 way)	660	1+BET2	37	See page 17 for permissible conductor arrangements		ART N° E1020	ART N° E1021
DK 4Q	275	7+EK4	16	0.5 mm²	4 mm²	ART N° E1022	ART N° E1023
Earth Terminal							
EK 4				0.5 mm²	4 mm²		
EK 10				0.5 mm²	10 mm²		
BET 2				0.5 mm²	4 x 6 mm² or 2 x 10 mm² + 1 x 6 mm²		
				See page 17 for permissible conductor arrangements			
DFG 2				0.5 mm²	2 x 6 mm²		
QS 3 Earth Bars		3 per bar 2 bars per box		0.5 mm²	4 mm²	These earth bars are suitable for installations where plastic cable glands are used with an individual earth in each cable	

1. Not more than one single or multi-strand lead may be connected into either side of the feed-through terminals.
2. When additional rail mounted earth terminals are required, the number of feed-through terminals shall be reduced accordingly.
3. Combinations of different size terminals are permitted. Contact Bartec for further details.
4. Internal earth plates are available for providing continuity between cable entries and the internal earth terminal. The standard earth plate material is zinc plated steel.
5. Column 1 contains the maximum current values and terminal quantities permissible.
6. Bartec can supply Phoenix Ex terminals in this box if required. Contact Bartec for further details.
7. Klippon Polyamide terminals are available on request.
8. The BTB & BET2 type terminals may accept up to four conductors in each pillar terminal. See page 17 for further details.
9. The DK4Q terminals are double tiered. Each terminal has two feed-through connections.
10. Blue terminals and labels for Intrinsically Safe circuits are available if required.
11. Earth bars are also available if required.
12. When cross connections are used to join terminals, the maximum number of terminals may need to be reduced.

Typical Order Formats

(Please note that the new shortform order reference for the Ex type GB-5103-1221/2090 exclosure is **GB-122**)

(a) Exclosure
Ref. GB-122
Art. No. E1001
Without tappings

(b) Exclosure
Ref. GB-122
C/W 6 x SAK 2.5 terminals
Fitted with 3 x 2 pole jumper bars
C/W 2 x EK4 earth terminals
3 x M20 tappings
Face A 2M, 3M
Face B 3M
C/W earth continuity plate

IF IN DOUBT! ASK BARTEC