BARTEC Ex type GB 5103 - 2552/5012

(NEW SHORTFORM ORDER REFERENCE GB-255)

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

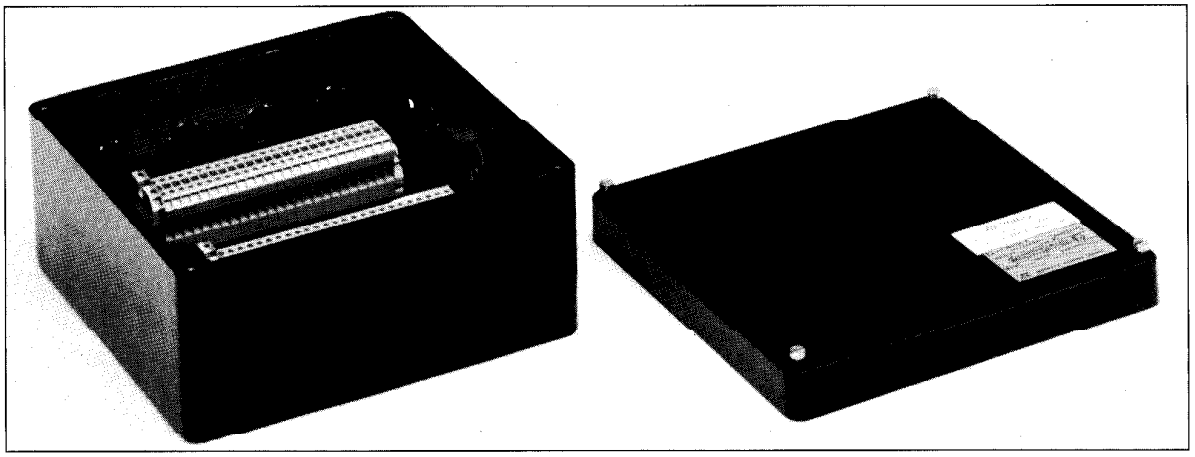
Materials: Black glass filled polyester enclosure
flame retardant to IEC92.1, UL94VO
Impact resistant > 2 x 7 Nm, BS5501 Part 1
Lid screws, captive stainless steel slot head
Lid gasket, captive silicone 'O' ring

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

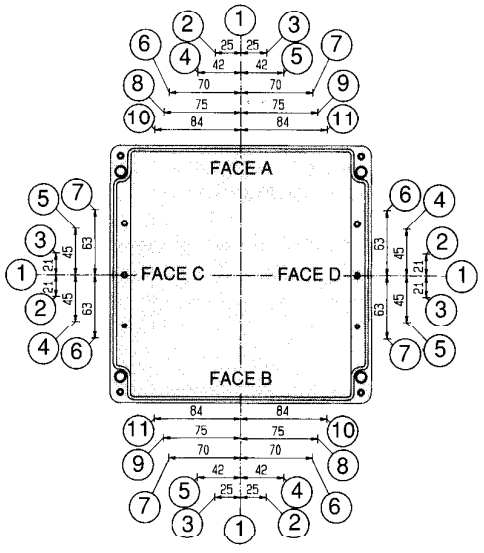
Technical Information
Please refer to pages 18 & 19 or ask our technical sales office for help and advice if assistance is required.The exclosures are also available as component approved empty enclosures and additional approval is required prior to fitting in a hazardous area.

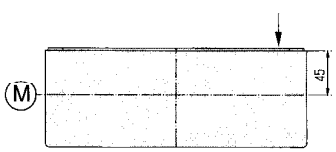
*****ERA/SHELL WATER DELUGE TESTED*****

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



OVERALL DIMENSIONS 255 x 250 x 120mm.





Thread Size	Face Ref.	Tappings Per Face	Tapping Positions
20mm 3/4 ET 1/4 BSPP PG 13.5 PG 11	A&B	5	1M, 4M, 5M, 10M, 11M
	C&D	4	2M, 3M, 6M, 7M
25mm 1 ET 3/4 BSPP PG16	A&B	4	2M, 3M, 8M, 9M
	C&D	3	1M, 6M, 7M
32mm 1 1/4 ET 1 BSPP PG21	A&B	3	1M, 6M, 7M
	C&D	2	4M, 5M
40mm 1 1/2 ET 1 1/2 BSPP PG36	A&B	3	1M, 6M, 7M
	C&D	2	4M, 5M

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 and sizes are available, please ask for further information.

Terminal Type	Number of Terminal Rails	Max Volts	HIGH CURRENT COLUMN 1 Max No of Terminals	HIGH CURRENT COLUMN 1 Max Amps	MEDIUM CURRENT COLUMN 2 Max No of Terminals	MEDIUM CURRENT COLUMN 2 Max Amps	LOW CURRENT COLUMN 3 Max No of Terminals	LOW CURRENT COLUMN 3 Max Amps	Conductor Size Stranded & Solid Min	Conductor Size Stranded & Solid Max
SAK 2.5	1	550	13+1EK4	15	26+1EK4	11.5	31+1EK4	5	0.5 mm²	2.5 mm²
	2	550	25+1EK4	15	53+1EK4	11.5	62+1EK4	5		
SAK 4	1	550	10+1EK4	21	22+1EK4	16	30+1EK4	5	0.5 mm²	4 mm²
	2	550	20+1EK4	21	44+1EK4	16	60+1EK4	5		
SAK 6N	1	550	10+1EK10	26	21+1EK10	20	24+1EK10	5	0.5 mm²	6 mm²
	2	550	19+1EK10	26	42+1EK10	20	48+1EK10	5		
SAK 10	1	550	9+1EK10	37	18+1EK10	28			2.5 mm²	10 mm²
	2	550	17+1EK10	37	36+1EK10	28				
SAK 16	1	726	12+3EK16	47					6 mm²	16 mm²
SAK 35N	1	726	8+2EK35	75					2.5 mm²	35 mm²
Earth Terminal										
EK 4									0.5mm²	4mm²
EK 10									2.5mm²	10mm²
EK 16									6mm²	16mm²
EK 35									6mm²	35mm²

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. Columns 1, 2 & 3 above contain three different current levels, Column 1 is high current, Column 2 is medium current and Column 3 is low current, the columns also contain the respective terminal quantities permissible. These levels have been incorporated to provide the maximum flexibility.
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. Article numbers for each of the terminal arrangements shown are available on request.
9. The maximum number of tappings shown on faces C & D may have to be reduced if the maximum terminal content is fitted or if two terminal rails are required.
10. Blue terminals and labels for Intrinsically Safe circuits are available if required.
11. 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-5103-2552/5012 exclosure is **GB-255**)

(a) Exclosure
Ref. GB-255
C/W 60 x SAK 2.5 terminals
Fitted on two terminal rails
3 x EK4 earth terminals
4 x M25 tappings
Face A 2M, 3M, 8M, 9M
C/W earth continuity plate
Maximum current 5 Amps

(b) Exclosure
Ref. GB-255
C/W 20 x SAK 4 terminals
Fitted on two terminal rails
1 x EK4 earth terminal
4 x M20 tappings
Face A 1M, 5M, 10M, 11M
C/W earth continuity plate
Maximum current 21 Amps

IF IN DOUBT! ASK BARTEC