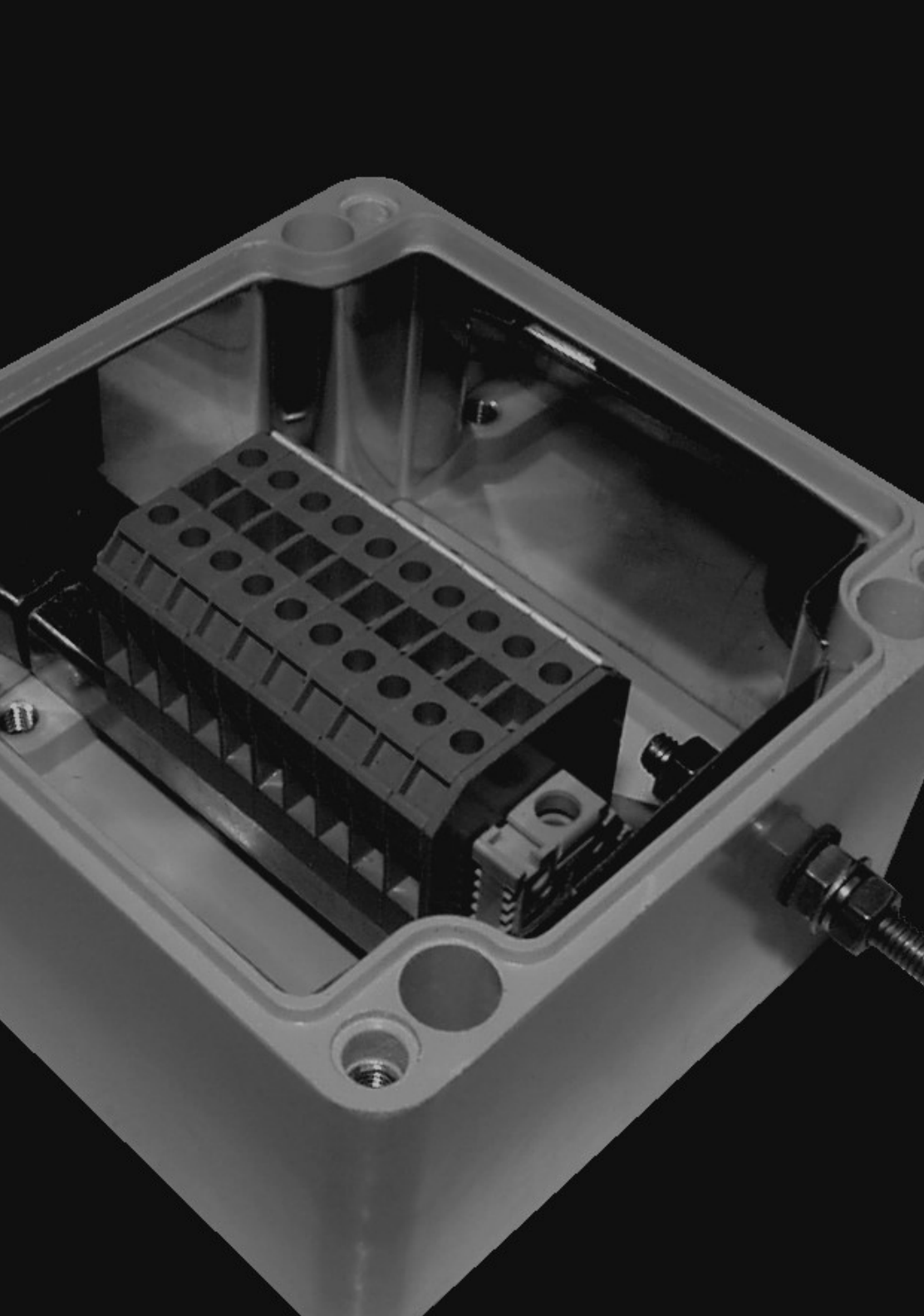




BPG

The BPG range comprises 16 sizes of enclosure manufactured in glass reinforced polyester (GRP). This material is highly resistant to contamination from oils, fats, aliphatic and aromatic carbohydrates, bacteria and enzymes. It is also suitable for LSOH (low smoke zero halogen) applications.

Polyester gives excellent mechanical strength and life expectancy. The wall thickness is sufficient to allow tapped entry holes to be machined in the walls of the enclosure and it provides a very good alternative to aluminium or cast iron.



ABTECH mould the BPG range from SMC material rather than DMC which is the most common form of GRP. In this method the glass reinforcement takes the form of sheets rather than short strands. This gives much greater mechanical strength and also in the event of the enclosure being exposed to fire conditions the structure holds together even if the resin is depleted due to the elevated temperatures. This is demonstrated by the fact that the BPG range when fitted with ceramic terminals meets the requirements of IEC 331 (750°C (1382°F) for 3 hours) and also BS6387/1983 (950°C (1742°F) for 3 hours; flame only). Further information about this testing procedure can be found in Section 6 of this catalogue.



Due to the enclosure's labyrinth seal system, whereby the seal is protected from external forces, the BPG range has excellent ingress protection qualities which mean that the enclosures are tested to and passed IP66/67. They have also undergone and passed the Shell/ERA deluge test which was devised to adequately test enclosures and electrical equipment which is routinely subjected to ship deck conditions or fire deluge systems.

The mounting holes, although contained within the profile of the enclosure, sit outside the seal and all external fasteners and fixings are manufactured from 316 grade stainless steel to ensure reliability.

The BPG range has many features which lend itself to a whole host of applications including both industrial and hazardous area junction boxes, OEM applications, fire protection systems, tunnel wiring etc.

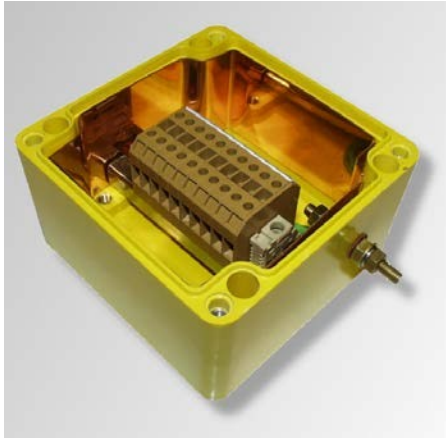
The BPG range can be machined, drilled, tapped with various thread forms, painted and of course it can be moulded in a variety of colours which gives a much improved durability of colour over painting.

The BPG range is also available carbon loaded (BPGC) which helps to reduce the surface resistance of the material and consequently reduce the risk of spark from static build up.

Earthing can be accomplished by various means. Internal / external earth stud which in turn can be connected to the terminal mounting rail or component mounting plate, an earth continuity plate (ECP) can be fitted around the inner walls to provide continuity for cable glands and various rail mounted earth terminals or proprietary earth bars can be fitted inside the enclosure.

The BPG range is suitable for a wide range of ambient conditions. Hazardous Area certified enclosures are suitable for ;65°C to + 130°C. Non; Ex versions are suitable from ;60°C to + 130°C. For certified apparatus contact the ABIECH Sales department for ambient operating temperatures.

The BPG and BPGC enclosures are suitable for use in hazardous areas and can be supplied with a number of certificates, specifically ATEX EEx'e' to BS EN 50019 (zone 1 & 2) EEx'nA' to BS EN50021 (zone 2) and NEMA 4X (CSA, UL & FM class 1, div 2).



The BPG range can be supplied fitted with any component approved terminal to apparatus level or can be supplied empty as component approved for the clients own certification requirements.

BPG Range Features

- Wide Operating Temperature
(;60°C to + 130°C) (;76°F to +266°F)
- Ingress Protection up to IP67
- Fire Resistant to IEC 331
- Impact Resistant > 7Nm
- UV Resistant
- Can be drilled and tapped to accommodate most thread forms
(NPT for example)
- UL, CSA, IEC Ex, ATEX, InMetro and TR CU Approvals
- Ideal for Petrochemical and Marine applications

Certification and Coding

	Zone 0	Zone 20	Zone 1	Zone 21	Zone 2	Zone 22
Ex e			*	*	*	*
Ex ai	*	*	*	*	*	*
Ex ab			*	*	*	*
Ex nA					*	*
Ex nR					*	*

Available with Apparatus or Component certification

Accessories and Options

The following table is a list of the available accessories suitable for particular standard sizes of BPG enclosures. Care should be taken when ordering accessories for use with enclosures intended for hazardous areas to ensure that compliance with certification is retained.

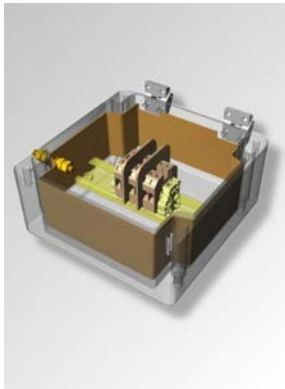
Part Number	Width (mm)	Height (mm)	Depth (mm)	C; Carbon Loaded (see note 1)	EX; Ex Certified (see note 2)	EC; Earth Continuity Plate	ES; Earth Stud	AS; Allen Head Fixing Screws	TP; Tamper Proof Screws	EH; External Hinges	MP; Component Mounting Plate	MF; External Mounting Feet	EB; Internal Earthing Bar	MR; DIN Standard Mounting Rail	RF; RF Protection (see note 4)
BPG 1	80	75	55	●	●			●	●	●	●	●		●	●
BPG 2	110	75	55	●	●			●	●	●	●	●		●	●
BPG 3	160	75	55	●	●			●	●	●	●	●		●	●
BPG 4	190	75	55	●	●			●	●	●	●	●		●	●
BPG 4.5	190	75	75	●	●			●	●	●	●	●		●	●
BPG 5	230	75	55	●	●			●	●	●	●	●		●	●
BPG 6	122	120	90	●	●	●	●	●	●	●	●	●	●	●	●
BPG 7	220	120	90	●	●	●	●	●	●	●	●	●	●	●	●
BPG 8	160	160	90	●	●	●	●	●	●	●	●	●	●	●	●
BPG 9	260	160	90	●	●	●	●	●	●	●	●	●	●	●	●
BPG 10	360	160	90	●	●	●	●	●	●	●	●	●	●	●	●
BPG 11	560	160	90	●	●	●	●	●	●	●	●	●	●	●	●
BPG 12	255	250	120	●	●	●	●	●	●	●	●	●	●	●	●
BPG 13	400	250	120	●	●	●	●	●	●	●	●	●	●	●	●
BPG 13.5	400	250	160	●	●	●	●	●	●	●	●	●	●	●	●
BPG 14	600	250	120	●	●	●	●	●	●	●	●	●	●	●	●
BPG 15	400	405	120	●	●	●	●	●	●	●	●	●	●	●	●

Ordering Example 

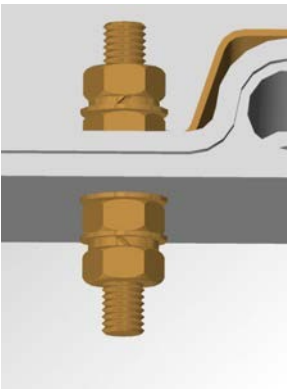
BPG8 EX EC EB MR

(BPG 8 EX Certified with Earth Continuity Plate, Internal Earthing Bar and DIN standard Mounting Rail)

- Carbon loading gives a surface tracking value of between 10M  and 10G . Surface colour is black.
- EEEx'e' certification may be component or apparatus certified; please specify your requirements.
- Radio Frequency Interference (RF) gasket may reduce IP rating. Enclosure may also be internally coated with RFI material.



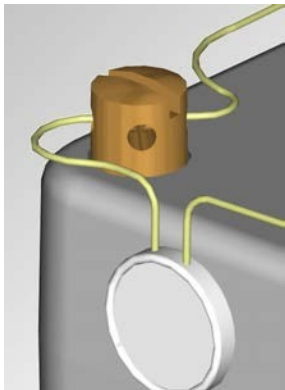
Copper earth continuity plate
(must also be fitted with earth stud)



Earth Stud
(either brass or stainless steel)



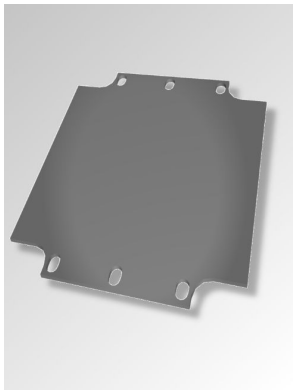
Allen Head fixing screws
(grade 316)



Tamper-proof screws



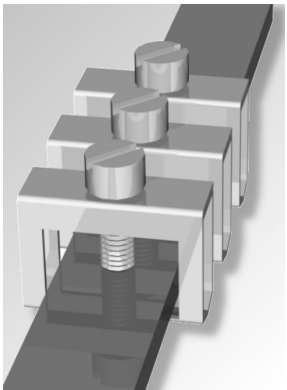
External hinges



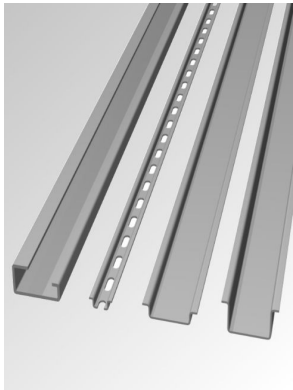
Component mounting plate
(tufnol standard, steel an option)



External mounting feet
(stainless steel 316)



Internal Earthing bar
(can be fitted with clamps)



DIN standard mounting rail
(TS15, TS32 or TS35)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2 / Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: -65°C to +130°C

Non Hazardous: -70°C to +130°C

Power Rating

8.390W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entelec		Wago	
BK4 (4 way)	2	MA2.5/5	0	280;992	0
BK6 (6 way)	1	M4/6	0	280;999	0
BKI2 (12 way)	1	M6/8	0	281;691	0
MK 6/3	1	M10/10	0	281;992	0
MK 6/4	1	M16/12	0	281;993	0
MK 6/6	1	M35/16	0	282;691	0
SAK 2.5	0			284;691	0
SAK 4	0			283;691	0
SAK 6N	0			285;691	0
SAK 10	0			280;998	0
SAK 16	0			281;998	0
SAK 35	0			264;120	12
				264;220	7
				264;132(2)	2
				264;134(4)	1
				262;132(2)	2
				264;134(4)	1

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	50	26
Height	36	30

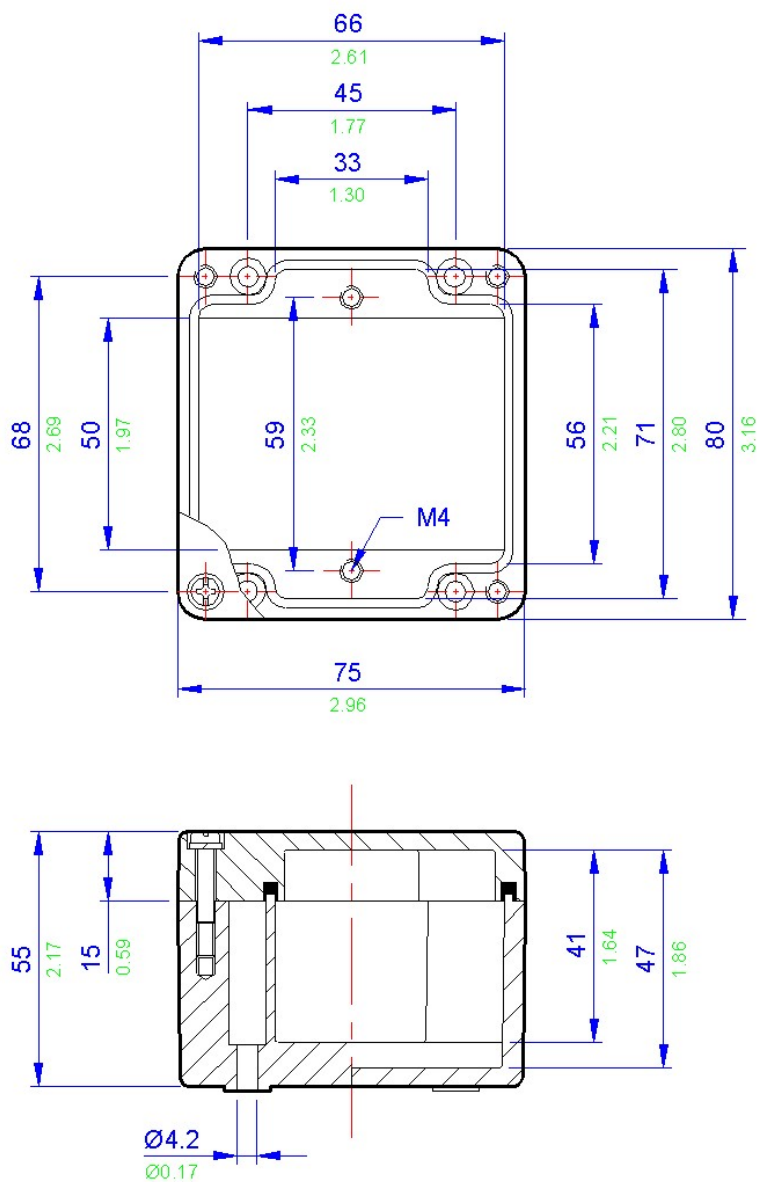
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	1	0
M20	0	0
M25	0	0
M32	0	0
M40	0	0

*Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 1	GRP	80	75	55	230
BPG C1	Carbon Loaded GRP	80	75	55	230



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

8.551W



Terminal Populations (Maximum Number of Rails = 1)

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	2	MA2.5/5	0	280;992	0
BK6 (6 way)	1	M4/6	0	280;999	0
BK12 (12 way)	1	M6/8	0	281;691	0
MK 6/3	1	M10/10	0	281;992	0
MK 6/4	1	M16/12	0	281;993	0
MK 6/6	1	M35/16	0	282;691	0
SAK 2.5	0			284;691	0
SAK 4	0			283;691	0
SAK 6N	0			285;691	0
SAK 10	0			280;998	0
SAK 16	0			281;998	0
SAK 35	0			264;120	12
				264;220	7
				264;132(2)	2
				264;134(4)	1
				262;132(2)	2
				264;134(4)	1

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	80	26
Height	36	30

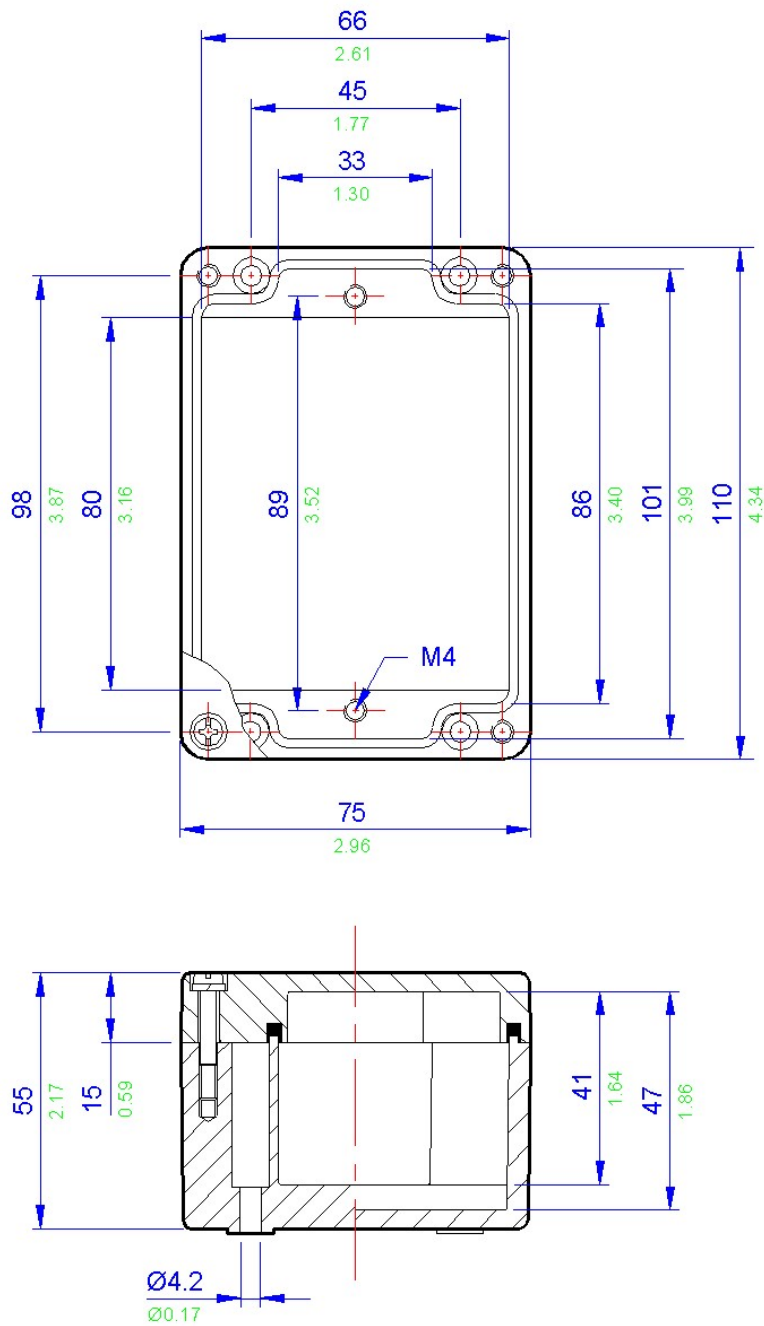
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	2	0
M20	0	0
M25	0	0
M32	0	0
M40	0	0

*Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 2	GRP	110	75	55	230
BPG C2	Carbon Loaded GRP	110	75	55	230



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IECEx (Zone 1 & 2) Zone 21 & 22

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

8.833W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	3	MA2.5/5	0	280;992	0
BK6 (6 way)	2	M4/6	0	280;999	0
BK12 (12 way)	1	M6/8	0	281;691	0
MK 6/3	2	M10/10	0	281;992	0
MK 6/4	2	M16/12	0	281;993	0
MK 6/6	1	M35/16	0	282;691	0
SAK 2.5	0			284;691	0
SAK 4	0			283;691	0
SAK 6N	0			285;691	0
SAK 10	0			280;998	0
SAK 16	0			281;998	0
SAK 35	0			264;120	19
				264;220	11
				264;132(2)	4
				264;134(4)	3
				262;132(2)	4
				264;134(4)	3

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	130	27
Height	36	29

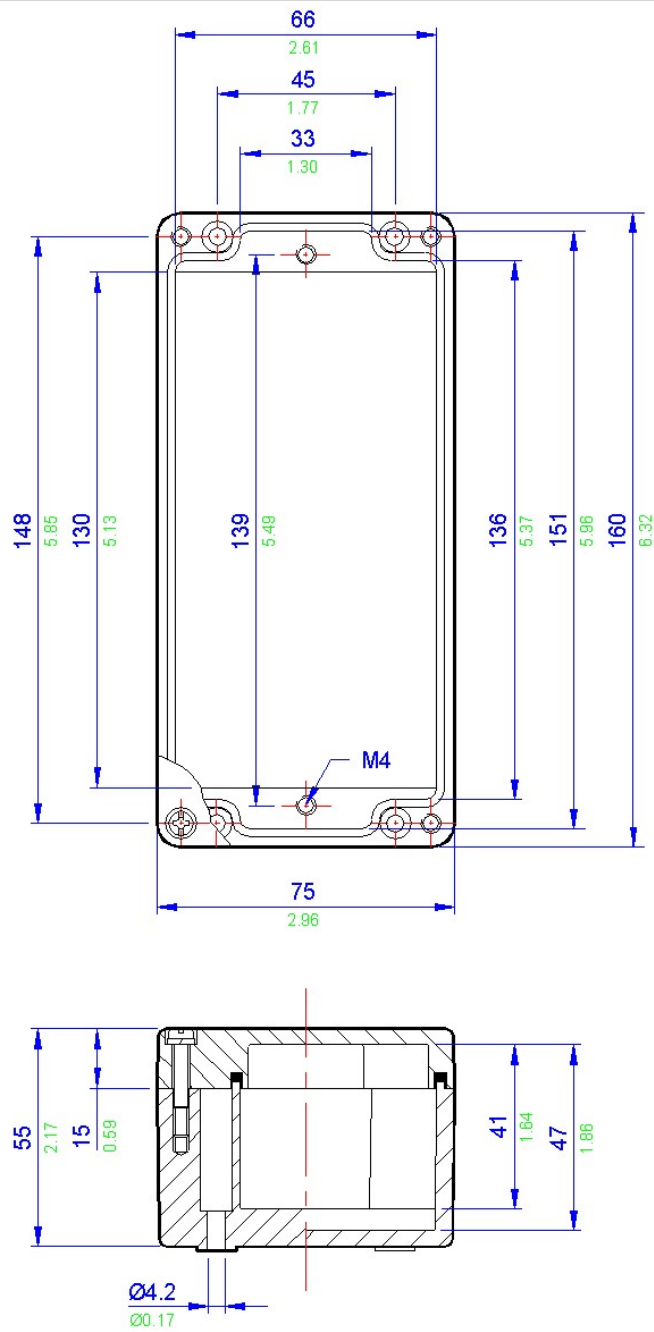
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	4	0
M20	0	0
M25	0	0
M32	0	0
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 3	GRP	160	75	55	405
BPG C3	Carbon Loaded GRP	160	75	55	405



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2 Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

9,012W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	4	MA2.5/5	0	280;992	0
BK6 (6 way)	2	M4/6	0	280;999	0
BK12 (12 way)	1	M6/8	0	281;691	0
MK 6/3	3	M10/10	0	281;992	0
MK 6/4	3	M16/12	0	281;993	0
MK 6/6	2	M35/16	0	282;691	0
SAK 2.5	0			284;691	0
SAK 4	0			283;691	0
SAK 6N	0			285;691	0
SAK 10	0			280;998	0
SAK 16	0			281;998	0
SAK 35	0			264;120	25
				264;220	15
				264;132(2)	5
				264;134(4)	3
				262;132(2)	5
				264;134(4)	3

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	160	27
Height	36	30

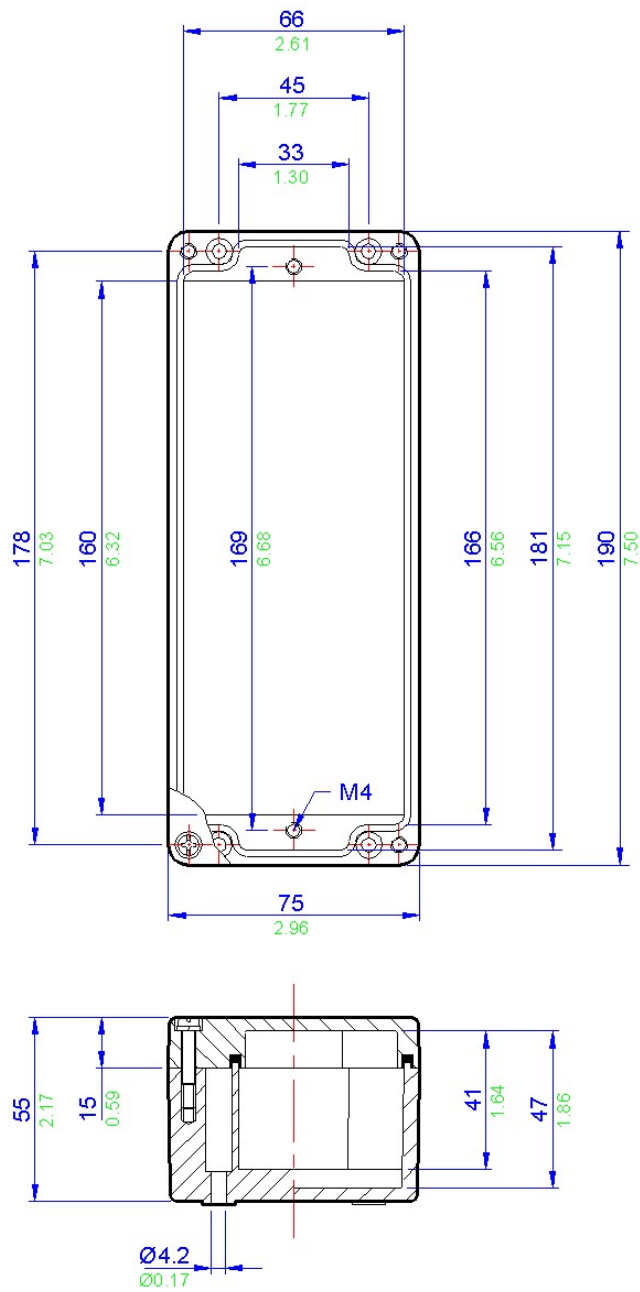
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	5	0
M20	0	0
M25	0	0
M32	0	0
M40	0	0

*Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 4	GRP	190	75	55	450
BPG C 4	Carbon Loaded GRP	190	75	55	450



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (CSA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

9.260W



Terminal Populations (Maximum Number of Rails = 1)

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	4	MA2.5/5	0	280;992	0
BK6 (6 way)	3	M4/6	0	280;999	0
BK12 (12 way)	1	M6/8	0	281;691	0
MK 6/3	3	M10/10	0	281;992	0
MK 6/4	3	M16/12	0	281;993	0
MK 6/6	2	M35/16	0	282;691	0
SAK 2.5	0			284;691	0
SAK 4	0			283;691	0
SAK 6N	0			285;691	0
SAK 10	0			280;998	28
SAK 16	0			281;998	24
SAK 35	0			264;120	25
				264;220	15
				264;132(2)	6
				264;134(4)	4
				262;132(2)	6
				264;134(4)	4

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	55	52
Height	160	19

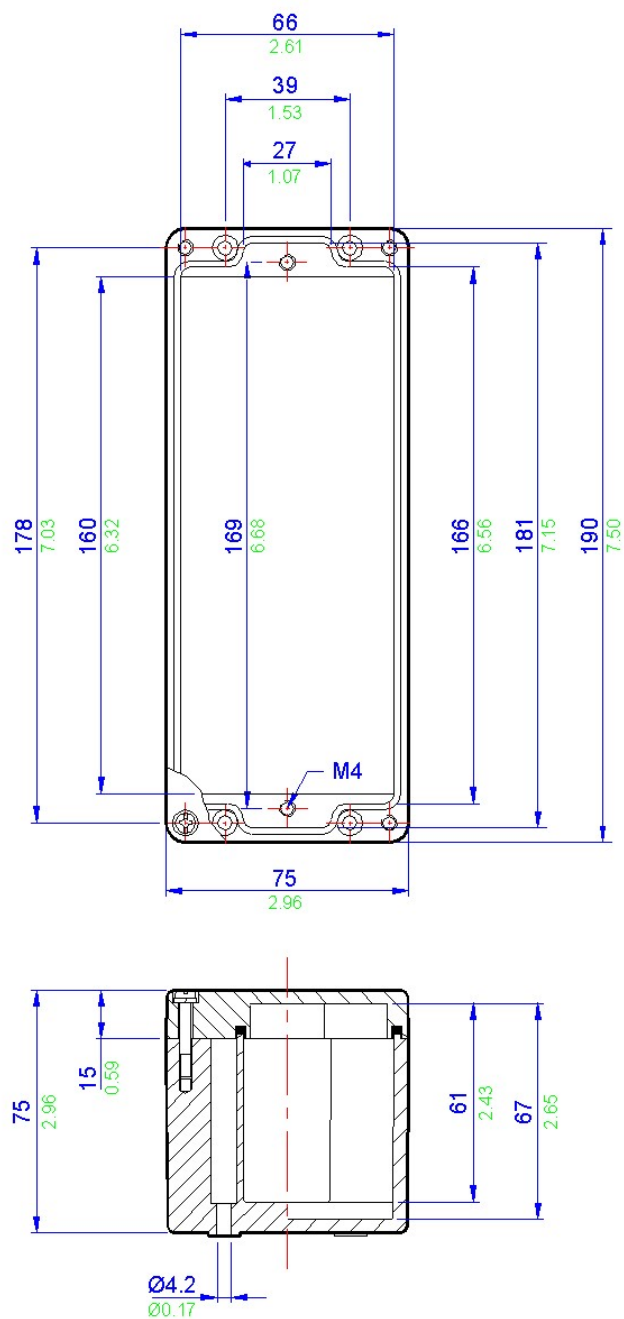
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	6	0
M20	4	0
M25	3	0
M32	0	0
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 4.5	GRP	190	75	75	529
BPG C 4.5	Carbon Loaded GRP	190	75	75	529



All **blue** dimensions in mm, all **green** dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IECEx (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area : ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

9.260W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	0	MA2.5/5	0	280;992	0
BK6 (6 way)	4	M4/6	0	280;999	0
BK12 (12 way)	2	M6/8	0	281;691	0
MK 6/3	4	M10/10	0	281;992	0
MK 6/4	4	M16/12	0	281;993	0
MK 6/6	2	M35/16	0	282;691	0
SAK 2.5	0			284;691	0
SAK 4	0			283;691	0
SAK 6N	0			285;691	0
SAK 10	0			280;998	0
SAK 16	0			281;998	0
SAK 35	0			264;120	32
				264;220	19
				264;132(2)	6
				264;134(4)	4
				262;132(2)	6
				264;134(4)	4

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	90	23
Height	30	28

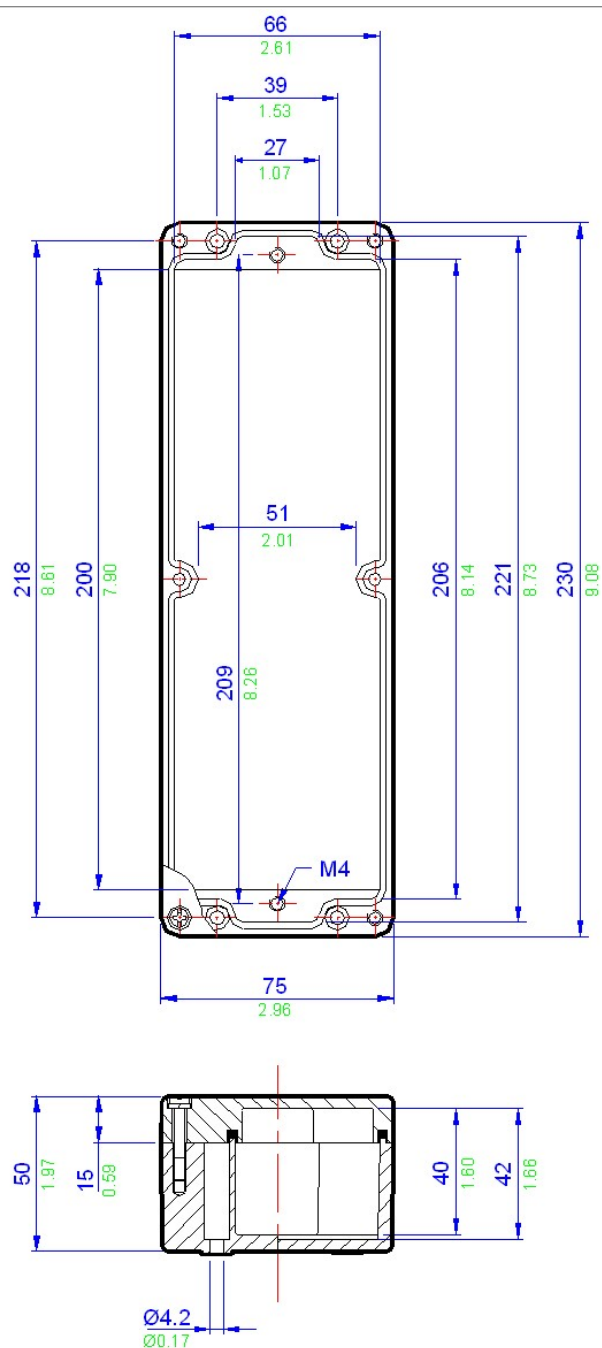
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	0	0
M20	0	0
M25	0	0
M32	0	0
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 5	GRP	230	75	55	529
BPG C 5	Carbon Loaded GRP	230	75	55	529



All **blue** dimensions in mm, all **green** dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2 / Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

9,378W



Terminal Populations (Maximum Number of Rails = 1)

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	2	MA2.5/5	17	280;992	15
BK6 (6 way)	2	M4/6	14	280;999	15
BK12 (12 way)	1	M6/8	8	281;691	13
MK 6/3	1	M10/10	8	281;992	13
MK 6/4	1	M16/12	7	281;993	13
MK 6/6	1	M35/16	5	282;691	10
SAK 2.5	14			284;691	8
SAK 4	13			283;691	6
SAK 6N	10			285;691	0
SAK 10	8			280;998	15
SAK 16	7			281;998	13
SAK 35	5			264;120	13
				264;220	8
				264;132(2)	3
				264;134(4)	2
				262;132(2)	3
				264;134(4)	2

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	75	54
Height	60	53

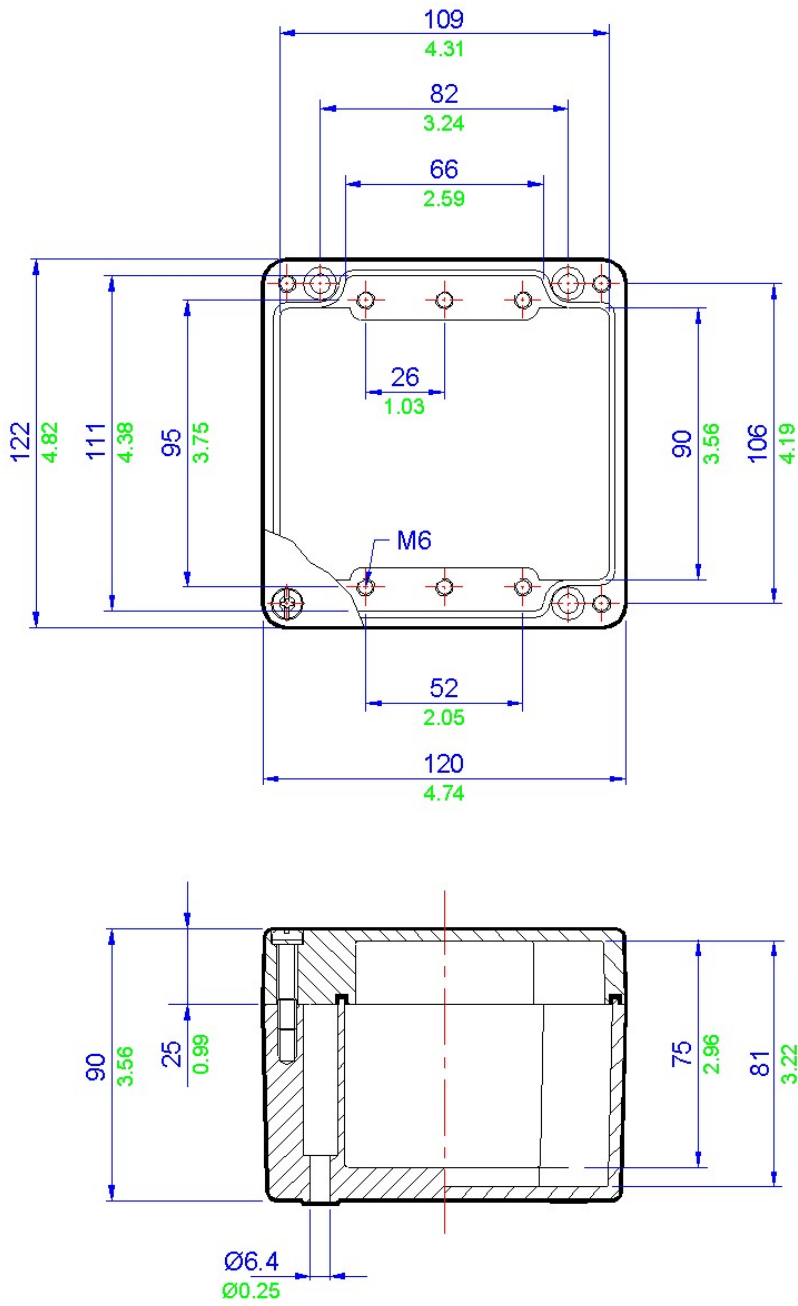
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	2	1
M20	1	1
M25	1	1
M32	1	0
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 6	GRP	122	120	90	750
BPG C 6	Carbon Loaded GRP	122	120	90	750



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (CSA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

10.500W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	5	MA2.5/5	36	280;992	34
BK6 (6 way)	3	M4/6	30	280;999	34
BK12 (12 way)	2	M6/8	22	281;691	29
MK 6/3	4	M10/10	18	281;992	29
MK 6/4	4	M16/12	15	281;993	29
MK 6/6	2	M35/16	11	282;691	22
SAK 2.5	30			284;691	18
SAK 4	28			283;691	15
SAK 6N	22			285;691	0
SAK 10	18			280;998	34
SAK 16	15			281;998	29
SAK 35	11			264;120	30
				264;220	18
				264;132(2)	6
				264;134(4)	4
				262;132(2)	6
				264;134(4)	4

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	180	56
Height	60	53

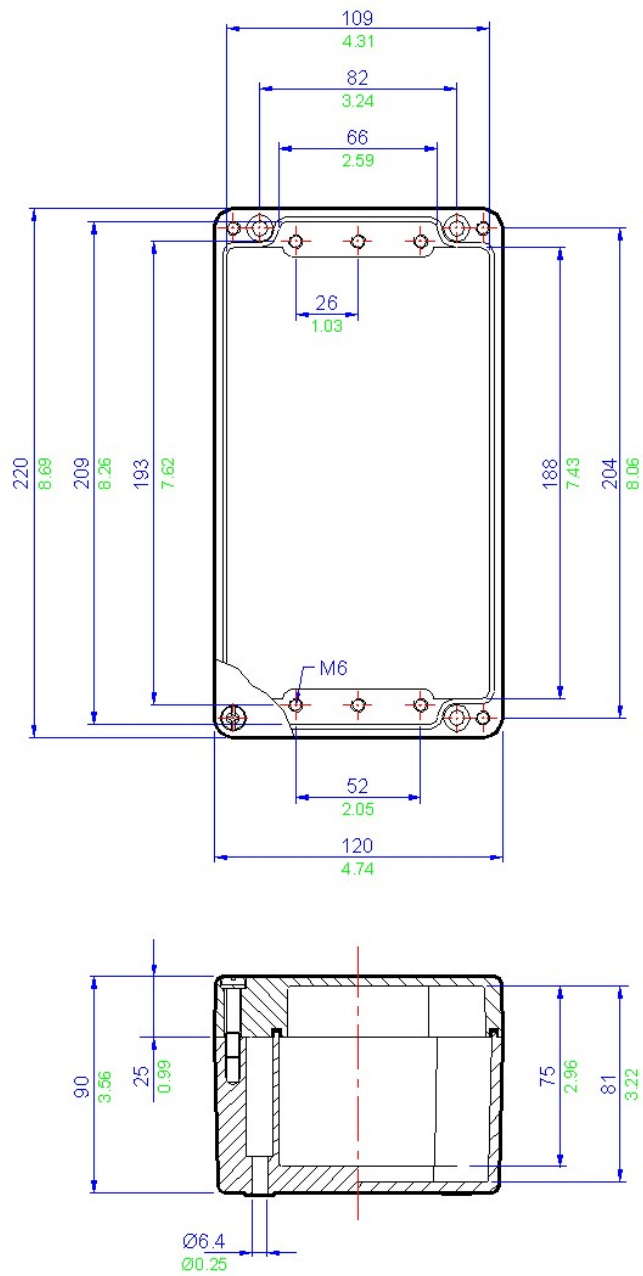
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	10	1
M20	4	1
M25	3	1
M32	3	0
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 7	GRP	220	120	90	1060
BPGC 7	Carbon Loaded GRP	220	120	90	1060



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area : ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

10.348W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	3	MA2.5/5	24	280;992	22
BK6 (6 way)	2	M4/6	20	280;999	22
BK12 (12 way)	1	M6/8	15	281;691	19
MK 6/3	2	M10/10	12	281;992	19
MK 6/4	2	M16/12	10	281;993	19
MK 6/6	1	M35/16	7	282;691	15
SAK 2.5	20			284;691	12
SAK 4	19			283;691	10
SAK 6N	15			285;691	0
SAK 10	12			280;998	22
SAK 16	10			281;998	19
SAK 35	7			264;120	20
				264;220	12
				264;132(2)	4
				264;134(4)	3
				262;132(2)	4
				264;134(4)	2

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	108	78
Height	65	58

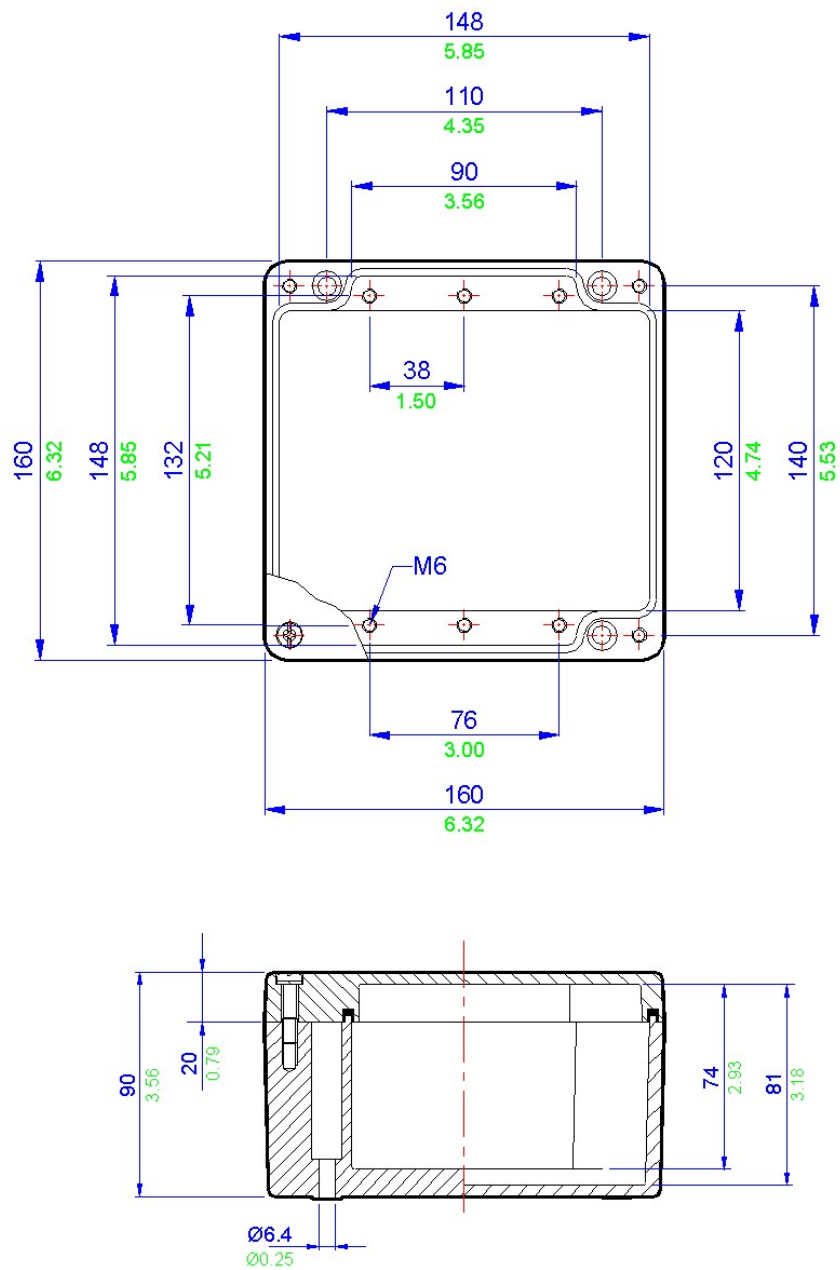
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	6	2
M20	2	2
M25	2	1
M32	1	1
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 8	GRP	160	160	90	1060
BPG C8	Carbon Loaded GRP	160	160	90	1060



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (CSA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

11.933W

**Terminal Populations (Maximum Number of Pairs = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	6	MA2.5/5	43	280;992	40
BK6 (6 way)	4	M4/6	36	280;999	40
BK12 (12 way)	2	M6/8	27	281;691	34
MK 6/3	4	M10/10	22	281;992	34
MK 6/4	4	M16/12	18	281;993	34
MK 6/6	3	M35/16	14	282;691	27
SAK 2.5	36			284;691	21
SAK 4	34			283;691	18
SAK 6N	27			285;691	0
SAK 10	22			280;998	40
SAK 16	18			281;998	34
SAK 35	14			264;120	36
				264;220	21
				264;132(2)	7
				264;134(4)	5
				262;132(2)	7
				264;134(4)	5

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	210	80
Height	65	60

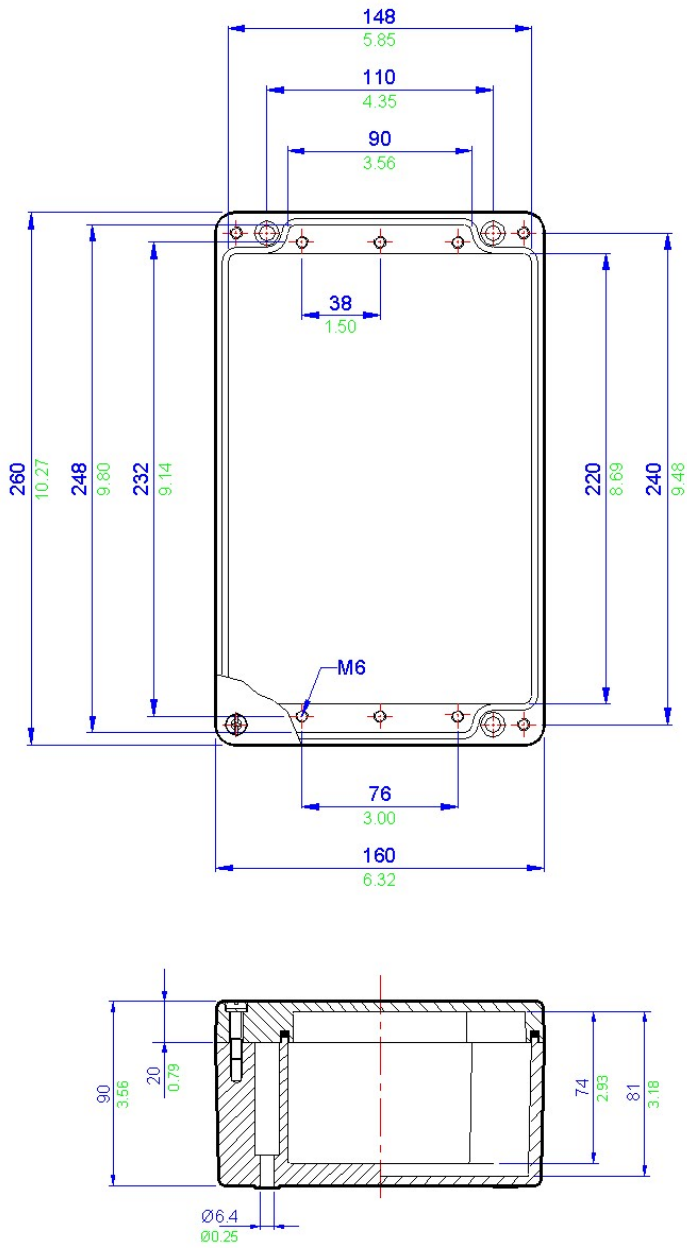
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	12	4
M20	6	2
M25	4	1
M32	3	1
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 9	GRP	260	160	90	1170
BPG C9	Carbon Loaded GRP	260	160	90	1170



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

13.793W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	9	MA2.5/5	63	280;992	58
BK6 (6 way)	6	M4/6	52	280;999	58
BK12 (12 way)	3	M6/8	40	281;691	50
MK 6/3	6	M10/10	32	281;992	50
MK 6/4	6	M16/12	26	281;993	50
MK 6/6	4	M35/16	20	282;691	39
SAK 2.5	52			284;691	31
SAK 4	48			283;691	26
SAK 6N	40			285;691	0
SAK 10	32			280;998	58
SAK 16	26			281;998	50
SAK 35	20			264;120	52
				264;220	31
				264;132(2)	11
				264;134(4)	7
				262;132(2)	10
				264;134(4)	7

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	312	82
Height	65	60

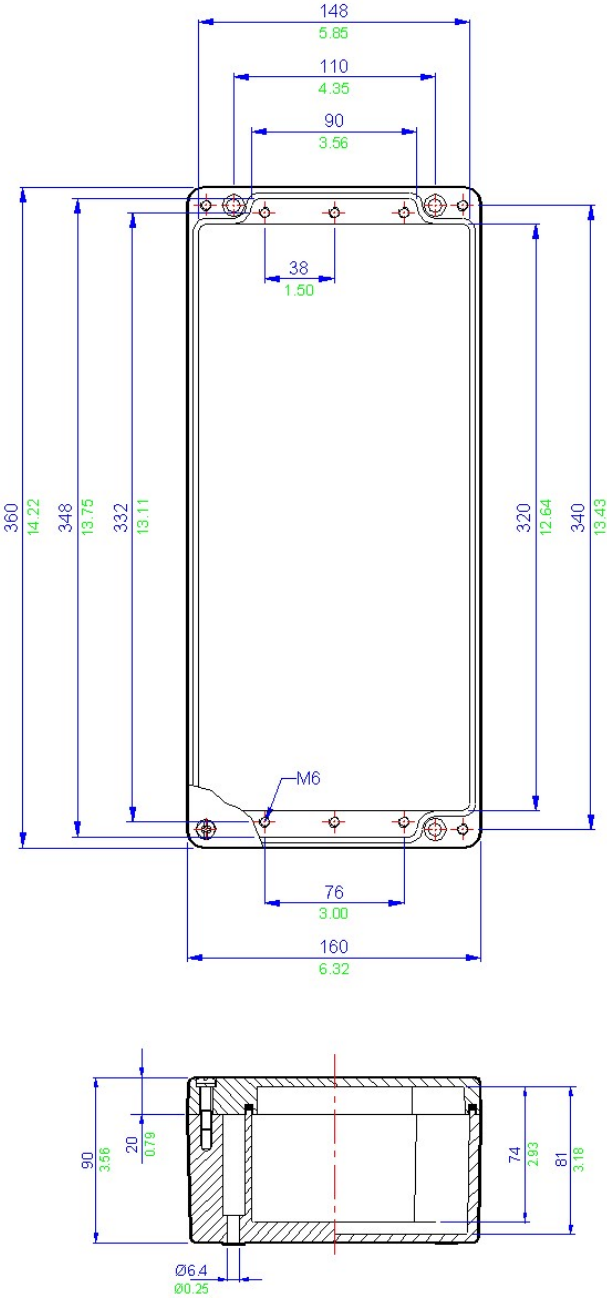
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	18	4
M20	8	2
M25	6	1
M32	5	1
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 10	GRP	360	160	90	2150
BPGC 10	Carbon Loaded GRP	360	160	90	2150



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

18.338W

**Terminal Populations (Maximum Number of Rails = 1)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	14	MA2.5/5	101	280;992	96
BK6 (6 way)	10	M4/6	85	280;999	96
BK12 (12 way)	5	M6/8	64	281;691	82
MK 6/3	11	M10/10	51	281;992	82
MK 6/4	11	M16/12	43	281;993	82
MK 6/6	7	M35/16	32	282;691	63
SAK 2.5	85			284;691	51
SAK 4	78			283;691	42
SAK 6N	64			285;691	0
SAK 10	51			280;998	96
SAK 16	43			281;998	82
SAK 35	32			264;120	85
				264;220	51
				264;132(2)	18
				264;134(4)	12
				262;132(2)	17
				264;134(4)	12

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	242	80
Height	65 (x2)	60

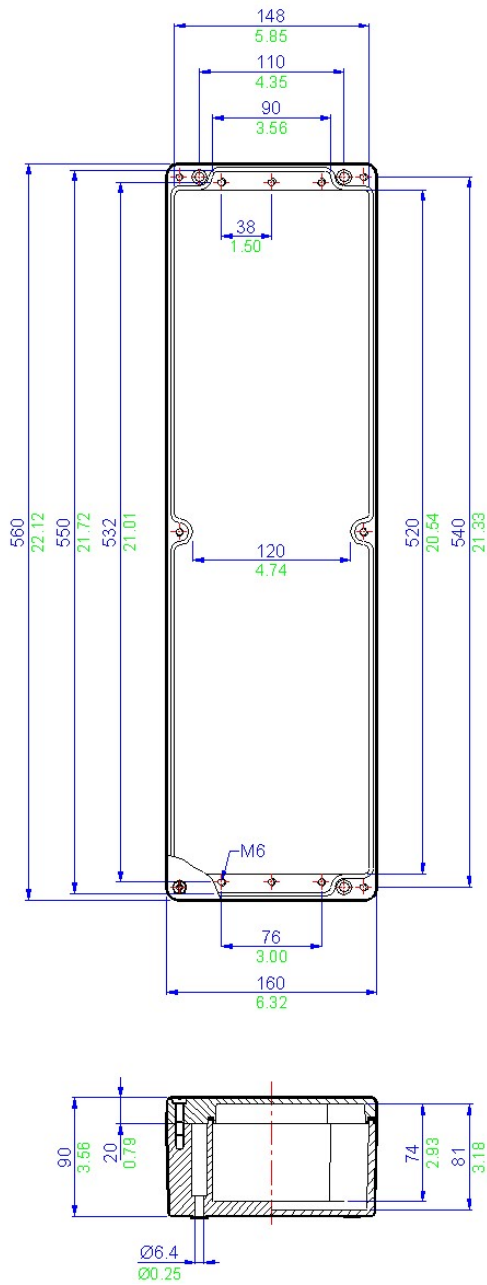
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	28	4
M20	12	2
M25	10	1
M32	8	1
M40	0	0

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 11	GRP	560	160	90	3200
BPG C11	Carbon Loaded GRP	560	160	90	3200



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

15.474W

**Terminal Populations (Maximum Number of Rails = 2)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	12	MA2.5/5	84	280;992	78
BK6 (6 way)	8	M4/6	70	280;999	78
BK12 (12 way)	4	M6/8	54	281;691	66
MK 6/3	8	M10/10	42	281;992	66
MK 6/4	8	M16/12	36	281;993	66
MK 6/6	6	M35/16	26	282;691	52
SAK 2.5	70			284;691	42
SAK 4	66			283;691	17
SAK 6N	54			285;691	12
SAK 10	42			280;998	78
SAK 16	36			281;998	66
SAK 35	20			264;120	70
				264;220	42
				264;132(2)	14
				264;134(4)	10
				262;132(2)	14
				264;134(4)	8

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	205	170
Height	90	85

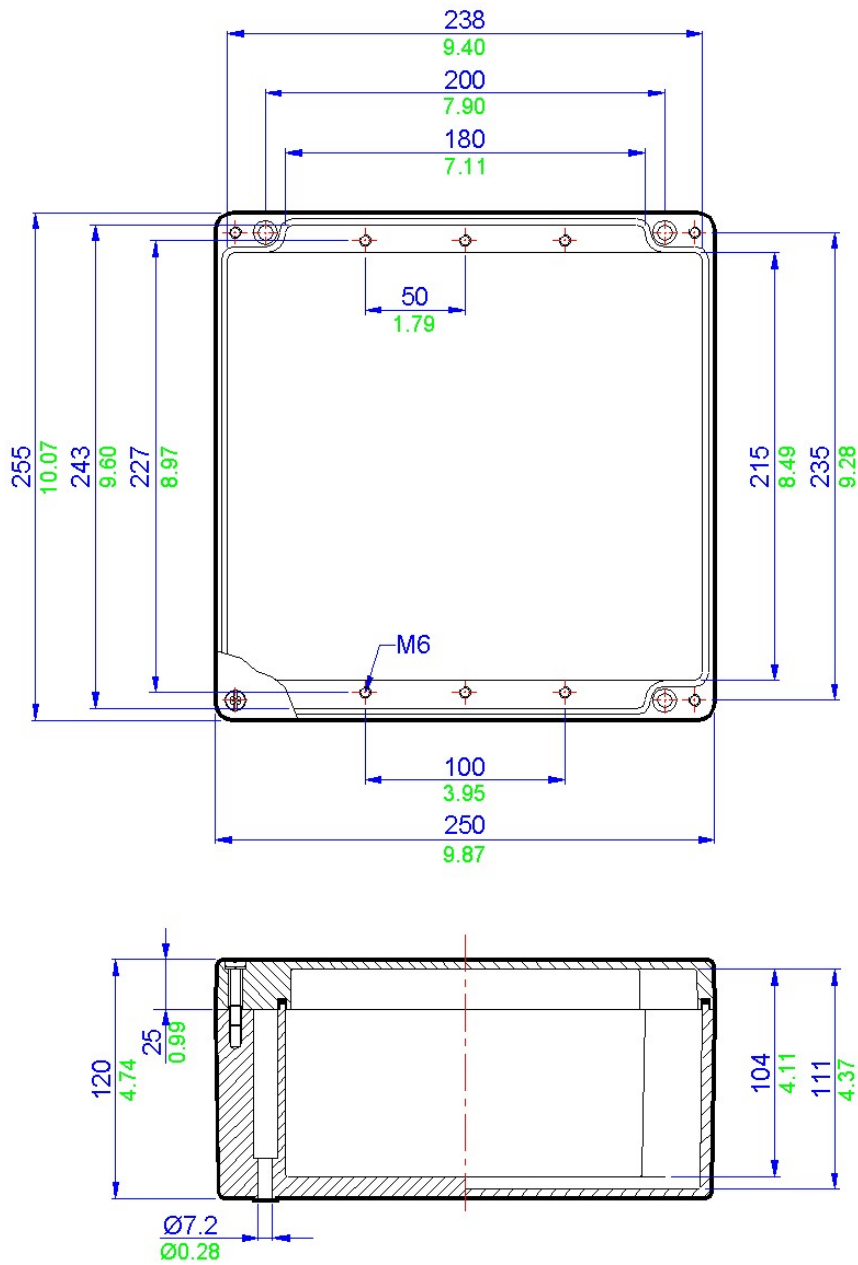
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	15	12
M20	10	8
M25	6	4
M32	3	2
M40	3	2

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 12	GRP	255	250	120	3200
BPG C 12	Carbon Loaded GRP	255	250	120	3200



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2 / Zone 21 & 22)

TR CU

NEMA 4X (CSA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Areas: -65°C to +130°C

Non Hazardous: -70°C to +130°C

Power Rating

20.867W

**Terminal Populations (Maximum Number of Rails = 2)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	20	MA2.5/5	140	280;992	132
BK6 (6 way)	14	M4/6	118	280;999	132
BK12 (12 way)	6	M6/8	88	281;691	114
MK 6/3	14	M10/10	72	281;992	114
MK 6/4	14	M16/12	60	281;993	114
MK 6/6	10	M35/16	44	282;691	88
SAK 2.5	118			284;691	70
SAK 4	108			283;691	29
SAK 6N	88			285;691	20
SAK 10	72			280;998	132
SAK 16	60			281;998	114
SAK 35	36			264;120	118
				264;220	70
				264;132(2)	24
				264;134(4)	16
				262;132(2)	24
				264;134(4)	16

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	350	170
Height	89	84

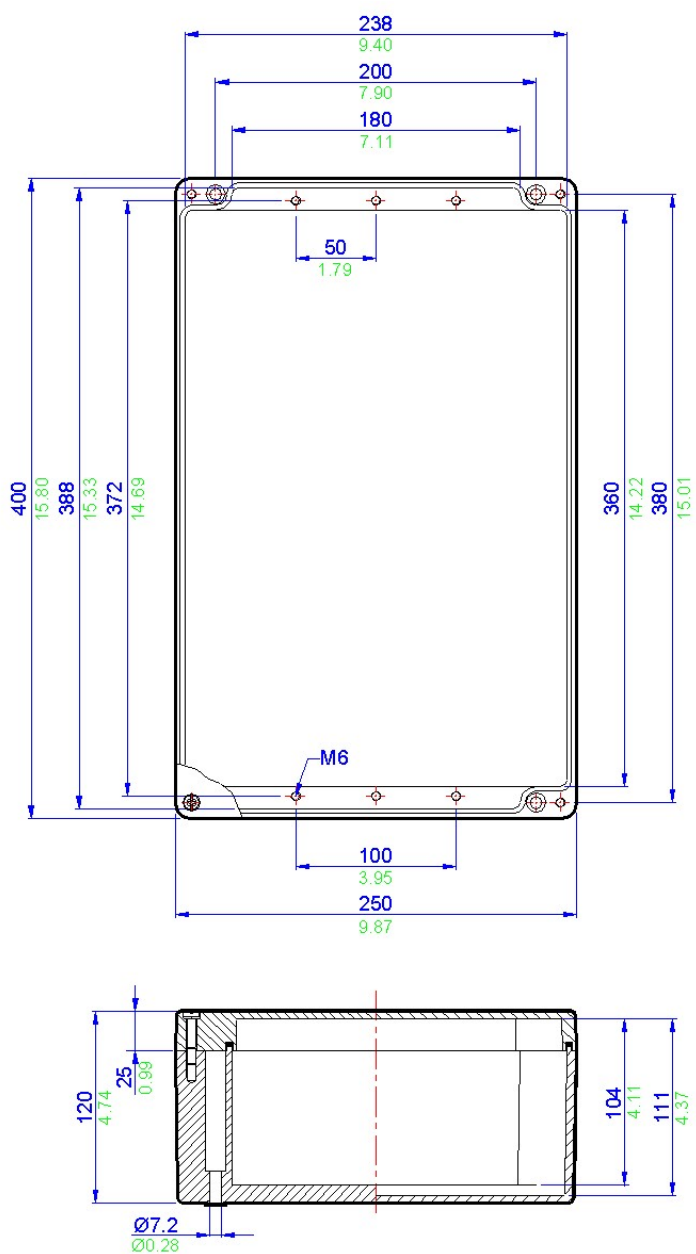
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	30	12
M20	16	8
M25	14	4
M32	6	2
M40	5	2

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 13	GRP	400	250	120	3650
BPG C13	Carbon Loaded GRP	400	250	120	3650



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

20.867W



Terminal Populations (Maximum Number of Rails = 2)

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	20	MA2.5/5	140	280;992	132
BK6 (6 way)	14	M4/6	118	280;999	132
BK12 (12 way)	6	M6/8	88	281;691	114
MK 6/3	14	M10/10	72	281;992	114
MK 6/4	14	M16/12	60	281;993	114
MK 6/6	10	M35/16	44	282;691	88
SAK 2.5	118			284;691	70
SAK 4	108			283;691	29
SAK 6N	88			285;691	20
SAK 10	72			280;998	132
SAK 16	60			281;998	114
SAK 35	36			264;120	118
				264;220	70
				264;132(2)	24
				264;134(4)	16
				262;132(2)	24
				264;134(4)	16

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	350	170
Height	89	84

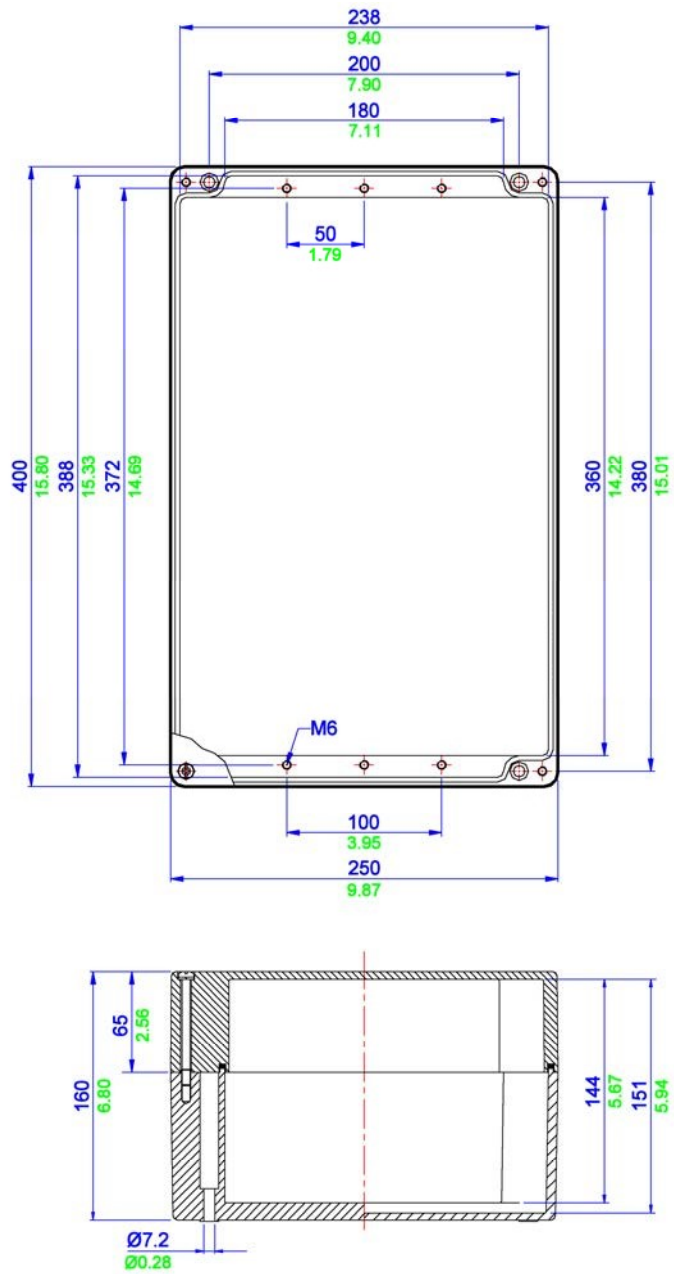
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	30	12
M20	16	8
M25	14	4
M32	6	2
M40	5	2

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 13.5	GRP	400	250	160	4872
BPG C 13.5	Carbon Loaded GRP	400	250	160	4872



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial Areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (CSA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

30.384W

**Terminal Populations (Maximum Number of Rails = 2)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	30	MA2.5/5	218	280;992	132
BK6 (6 way)	22	M4/6	182	280;999	132
BK12 (12 way)	12	M6/8	138	281;691	114
MK 6/3	22	M10/10	110	281;992	114
MK 6/4	22	M16/12	92	281;993	114
MK 6/6	14	M35/16	70	282;691	88
SAK 2.5	182			284;691	70
SAK 4	168			283;691	29
SAK 6N	138			285;691	20
SAK 10	110			280;998	132
SAK 16	92			281;998	114
SAK 35	70			264;120	118
				264;220	70
				264;132(2)	24
				264;134(4)	16
				262;132(2)	24
				264;134(4)	16

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	260	168
Height	90 (x2)	85

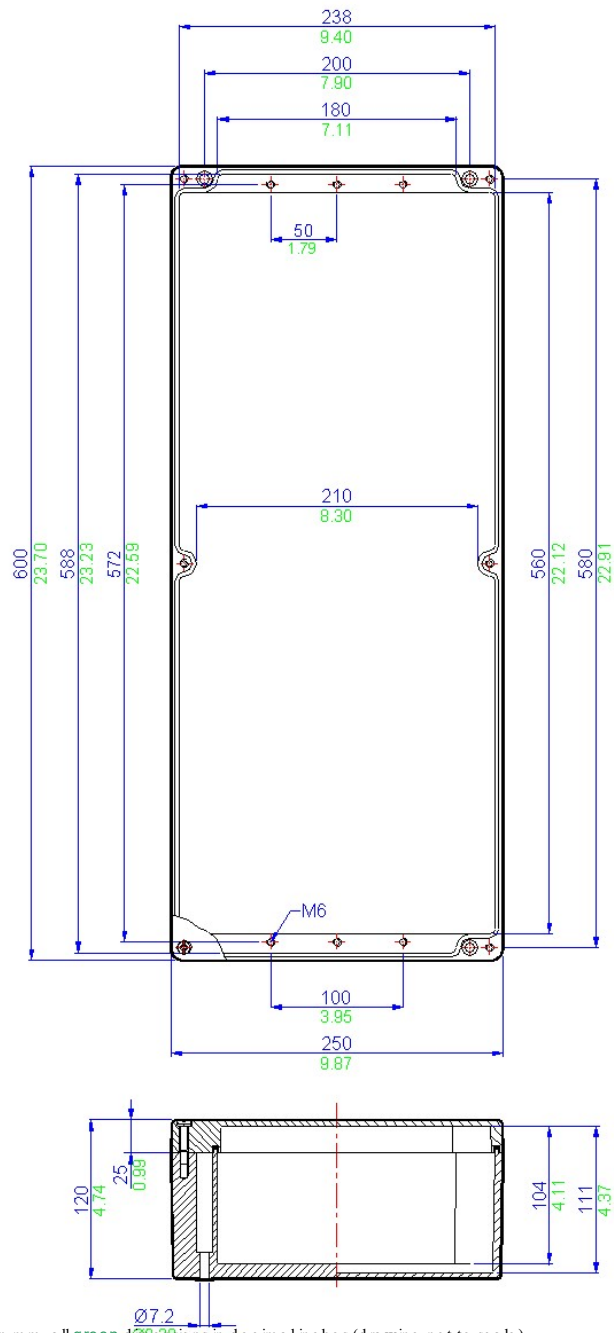
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	42	12
M20	24	8
M25	20	4
M32	8	2
M40	6	2

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 14	GRP	600	250	120	5235
BPG C 14	Carbon Loaded GRP	600	250	120	5235



All blue dimensions in mm, all green dimensions in decimal inches (drawing not to scale)

Application

Hazardous and Industrial areas

Protection Degree

IP66 or 67

Certification

ATEX & IEC Ex (Zone 1 & 2) Zone 21 & 22)

TR CU

NEMA 4X (C SA, UL & FM) Class 1 Division 2

Material

Glass Reinforced Polyester (RAL7001 grey) or

Carbon Loaded Glass Reinforced Polyester (Black)

Temperature Rating

Hazardous Area: ;65°C to +130°C

Non Hazardous: ;70°C to +130°C

Power Rating

31.350W

**Terminal Populations (Maximum Number of Rails = 3)**

Calculations do not include the use of end stops, end plates and separators. Check that the enclosure can accommodate the cable bending radius and that the earth stud and entry location will permit the required number of terminals to be fitted

Weidmüller		Entrelec		Wago	
BK4 (4 way)	30	MA2.5/5	210	280;992	198
BK6 (6 way)	21	M4/6	177	280;999	198
BK12 (12 way)	9	M6/8	132	281;691	171
MK 6/3	21	M10/10	108	281;992	171
MK 6/4	21	M16/12	90	281;993	171
MK 6/6	15	M35/16	66	282;691	132
SAK 2.5	177			284;691	105
SAK 4	162			283;691	58
SAK 6N	132			285;691	40
SAK 10	108			280;998	198
SAK 16	90			281;998	171
SAK 35	66			264;120	177
				264;220	101
				264;132(2)	36
				264;134(4)	24
				262;132(2)	36
				264;134(4)	24

Drilling Envelope Dimensions (mm)

	Side A ; C	Side B ; D
Width	352	327
Height	89	84

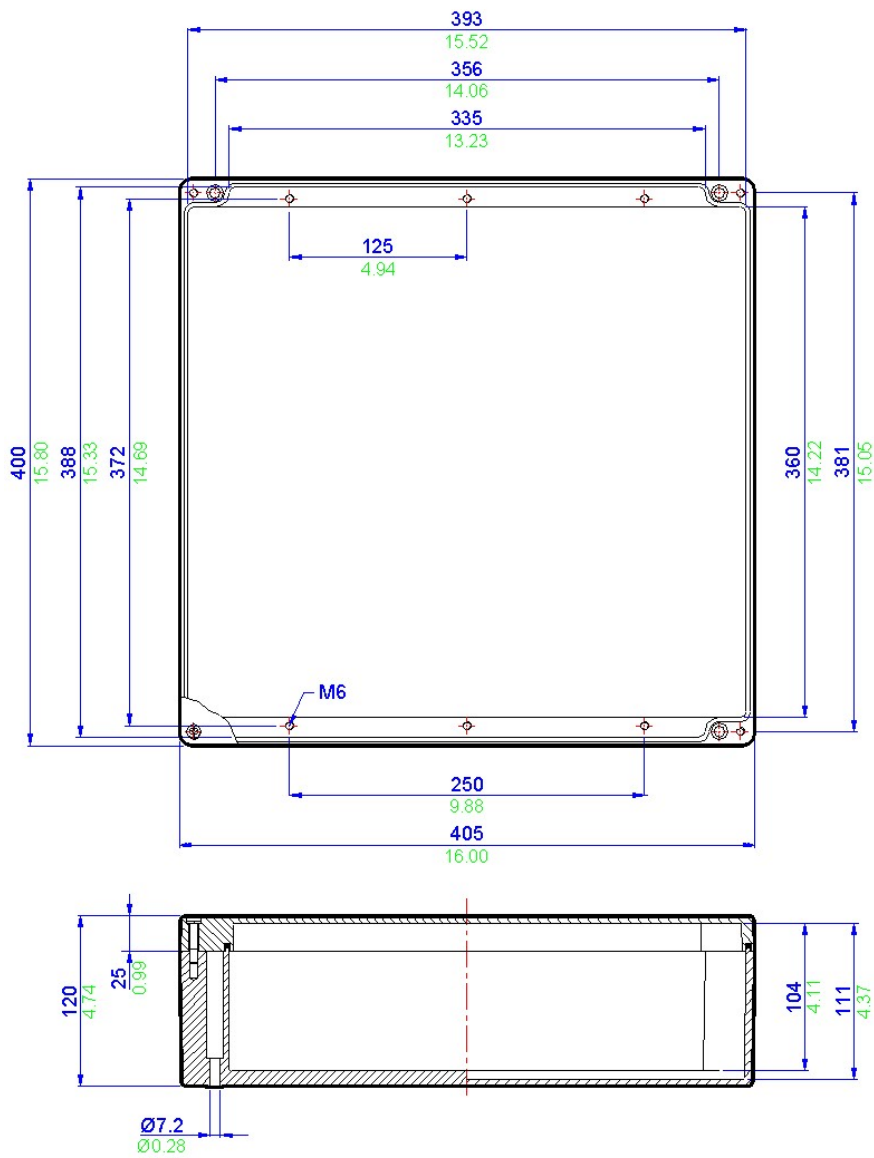
Gland Entry Matrix *

Size	Side A ; C	Side B ; D
M16	30	24
M20	18	16
M25	14	10
M32	6	5
M40	5	4

* Using standard gland clearances

Specifications

Part Number	Material	Width (mm)	Length (mm)	Depth (mm)	Weight (g)
BPG 15	GRP	400	405	120	5580
BPG C15	Carbon Loaded GRP	400	405	120	5580



All **blue** dimensions in mm, all **green** dimensions in decimal inches (drawing not to scale)