

bimed

CABLE ENTRY PLATES for Industrial Application



BRM
BPA(S)

001 - 002
003 - 004



BRM type


Product Information

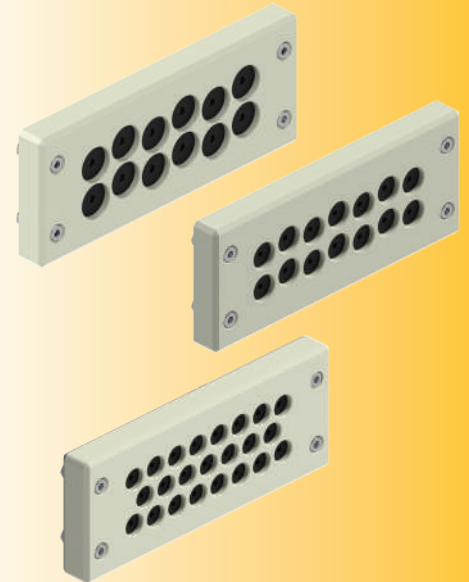
- BRM type cable entry plates are designed for non connectorised cables
- Can be used instead of standard cable glands where the space on the enclosure is limited
- Can be used as an economical solution where high strain relief is not required
- Ultra flexible entrance membrane ensures ingress protection for a large range of cable diameters (i.e. from 5.0 to 13.0 mm)
- Improved strain relief with special back sealing plate close fit design
- With reusable feature, special back sealing design ensures "close fit" even if a cable is removed.
- Can be used with all kind of enclosures having different wall thickness values with the help of four fixation screws.
- Snap-in assembly is possible with the help of two fixing legs for the enclosures having a wall thickness of 1,5 mm.

Technical Details

Material	Frames	PA Glass Fiber Reinforced
	Ingress Protection Membrane	BUTYL (IIR) RUBBER
	Spacer	Chloroprene
	Obstruction Membrane	Polyurethane
	Frame Seal	Silicone or Polyurethane
Ingress Protection Level	IP65, Type 12, Type 13 Nema 4X (do not cover all sizes)	
Fire Class (UL) Flammability	HB Acc. to UL94	
Operating Temperature	-40 °C to +80 °C	
Variants and Clamping Ranges	<ul style="list-style-type: none"> • Blind • 12 Ways for Ø4,0mm - Ø13,0 mm cables • 14 Ways for Ø3,0mm - Ø11,0 mm cables • 22 Ways for 16 x Ø3,0mm - Ø6,5 mm cables 4 x Ø5,0mm - Ø9,2 mm cables 2 x Ø8,0mm - Ø12,5 mm cables • 23 Ways for Ø3,5mm - Ø8,5 mm cables • 29 Ways for Ø2,5mm - Ø7,0 mm cables 	
Enclosure Cut Out	112x36 mm	
Accessories	M4x0,7x20 mm Fitted with M3 Allen Head	
Overall Dimensions	148x60x13,5 mm	

Approvals

Certification Body	Certificate Number	Standard
 TYPE 4x	E467237	UL 508A CSA C22.2 NO. 14-18
		UL 50E



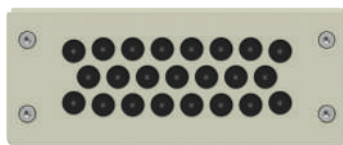
Blind



22 Cable Entries



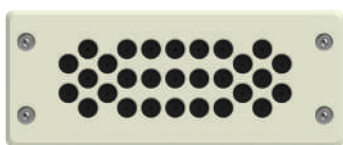
12 Cable Entries



23 Cable Entries

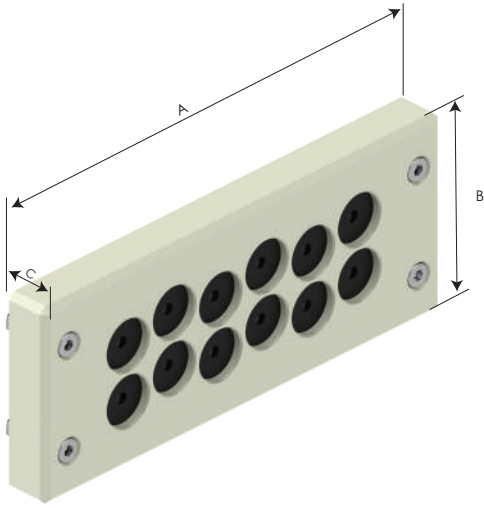


14 Cable Entries



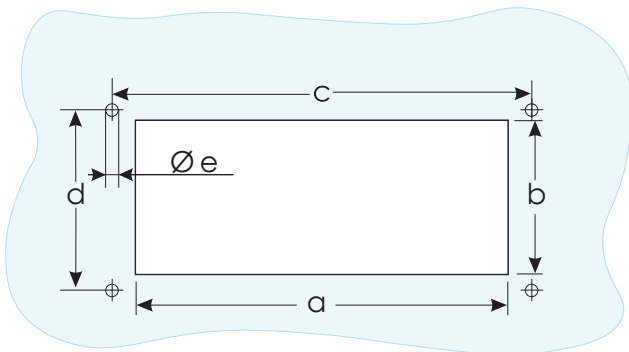
29 Cable Entries

BRM type



OVER ALL DIMENSIONS

Plate Type	No. Of Cable Entries	Clamping Range Ø mm	Frame			Part Number		Minimum Order Quantity
			Width A	Height B	Depth C	RAL 7035 light grey	RAL 9005 black	
BRM00	0	-	148,0	60,0	13,5	BRM00-1	BRM00-2	-
BRM12	12	4,0 - 13,0	148,0	60,0	13,5	BRM12-1	BRM12-2	-
BRM14	14	3,0 - 11,0	148,0	60,0	13,5	BRM14-1	BRM14-2	-
BRM22	22 (16+4+2)	16 x 3,0 - 6,5 4 x 5,0 - 9,2 2 x 8,0 - 12,5	148,0	60,0	13,5	BRM22-1	BRM22-2	-
BRM23	23	3,5 - 8,5	148,0	60,0	13,5	BRM23-1	BRM23-2	-
BRM29	29	2,5 - 7,0	148,0	60,0	13,5	BRM29-1	BRM29-2	-



CUT-OUT DIMENSIONS

Plate Type	a mm	b mm	c mm	d mm	e mm
BRM00	112,0	36,0	130,0	32,0	4,2
BRM12	112,0	36,0	130,0	32,0	4,2
BRM14	112,0	36,0	130,0	32,0	4,2
BRM22	112,0	36,0	130,0	32,0	4,2
BRM23	112,0	36,0	130,0	32,0	4,2
BRM29	112,0	36,0	130,0	32,0	4,2


BPA(S) type

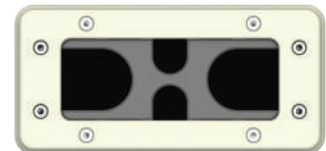
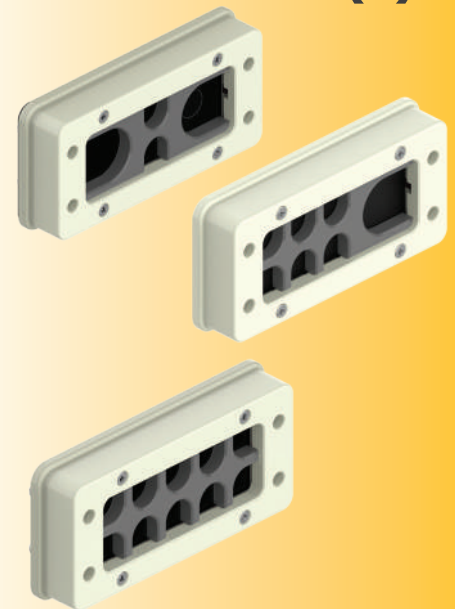
Product Information

- The BPA cable entry plates are designed for connectorised and of course for non connectorised cables.
- They can be used instead of standard cable glands, when the space on the enclosure is limited and also as an economical solution.
- With the help of different center insert combinations, it is possible to use small and large slitted grommets together according to the required cable diameters.
- The grommets are pyramidal and their outer surface shapes are conical.
- This conicity ensures high strain relief values, when they are compressed into their conical seats.
- The center holes are cylindrical. So, they apply a uniform pressure to the cable extended relatively to a large surface.
- Another important property of the grommets is their "onion" structure.
- It is possible to peel the onion layers according to the inserted cable diameter.
- This feature makes possible to use a single grommet for a large cable diameter range (i.e. from 3,5 to 9,5 mm or 21,5 to 29,5 mm)
- In result the grommet stock will be reduced to a minimum level.
- With the BPA cable entry plates, all the assembling operations are realised from outside the enclosure.
- All the assembling and clamping tools are used on the front of the plate, and perpendicular to the plate.
- There is no side or back operation.

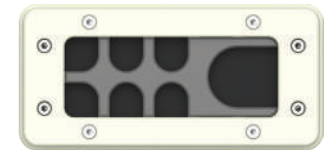
Technical Details

Material	Frames, Plates and Inserts	PA Glass Fiber Reinforced
	Clamping Seals	CR (Chloroprene)
	Main Frame Seal	Polyurethane
	Screws, Locknut	Steel
	Washers(Screws)	NBR
Ingress Protection Level	NEMA 4X (Do not cover all sizes)	
Flammability Rate	HB According to UL94	
Operating Temperature	-40 °C to +80 °C	
Variants and Clamping Ranges	<ul style="list-style-type: none"> • 4 Ways (2xØ3,5-15,5mm)+(2xØ15,5-29,5mm) • 7 Ways (6xØ3,5-15,5mm)+(1xØ15,5-29,5mm) • 10 Ways (10xØ3,5-15,5mm) 	
Enclosure Cut Out	112x46 mm	
Fixation Screws	M4x0,7x20 mm Fitted with M3 Allen Head	
Overall Dimensions	156,5x75,5x27,2 mm	

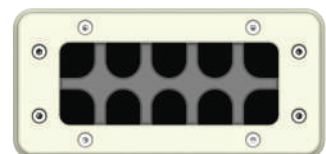
Certification Body	Certificate Number	Standard
	In progress.	In progress.
		In progress.



4 Ways

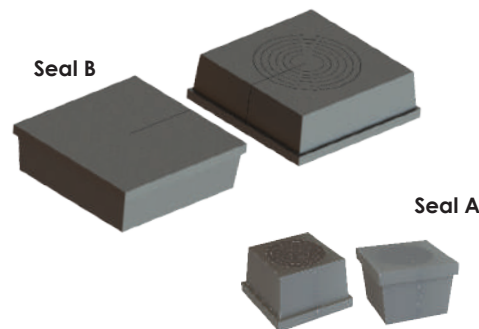


7 Ways

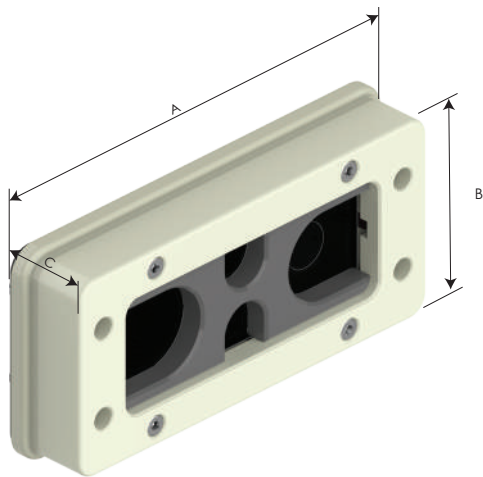


10 Ways

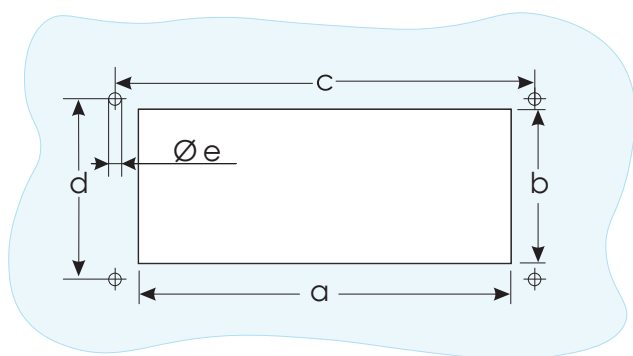
SEAL DIMENSIONS			
Seal Size	Related Onion Seal	Central Ø After Peeling	Cable Clamping Range Ø mm
A ₁	O ₁ -Ø4/Ø5	1,0	3,5 to 5,5
	O ₂ -Ø6/Ø7	2,0	5,5 to 7,5
	O ₃ -Ø8/Ø9	3,0	7,5 to 9,5
A ₂	O ₁ -Ø10/Ø11	1,0	9,5 to 11,5
	O ₂ -Ø12/Ø13	2,0	11,5 to 13,5
	O ₃ -Ø14/Ø15	3,0	13,5 to 15,5
B ₁	O ₁ -Ø16/Ø17	1,0	15,5 to 17,5
	O ₂ -Ø18/Ø19	2,0	17,5 to 19,5
	O ₃ -Ø20/Ø21	3,0	19,5 to 21,5
B ₂	O ₁ -Ø22/Ø23	1,0	21,5 to 23,5
	O ₂ -Ø24/Ø25	2,0	23,5 to 25,5
	O ₃ -Ø26/Ø27	3,0	25,5 to 27,5
	O ₄ -Ø28/Ø29	4,0	27,5 to 29,5



BPA(S) type



OVER ALL DIMENSIONS											
Plate Type	No. Of Cable Entries	Seal Quantity	Seal Size	Clamping Range Ø mm	Frame			Part Number		Minimum Order Quantity	
					Width A	Height B	Depth C	RAL 7035 light grey	RAL 9005 black		
BPA-S-04	4 (2B+2A)	2A	A1	from 3,5 to 9,5 mm	156,5	75,5	27,5	BPA-S-04-1	BPA-S-04-2	-	
			A2	from 9,5 to 15,5 mm						-	
		2B	B1	from 15,5 to 21,5 mm						-	
			B2	from 21,5 to 29,5 mm						-	
BPA-S-07	7 (1B+6A)	6A	A1	from 3,5 to 9,5 mm	156,5	75,5	27,5	BPA-S-07-1	BPA-S-07-2	-	
			A2	from 9,5 to 15,5 mm						-	
		1B	B1	from 15,5 to 21,5 mm						-	
			B2	from 21,5 to 29,5 mm						-	
BPA-S-10	10 (0B+10A)	10A	A1	from 3,5 to 9,5 mm	156,5	75,5	27,5	BPA-S-10-1	BPA-S-10-2	-	
			A2	from 9,5 to 15,5 mm						-	
		-	-	-						-	-
			-	-						-	-



CUT-OUT DIMENSIONS					
Plate Type	a mm	b mm	c mm	d mm	e mm
BPA-S-04	112,0	46,0	130,0	32,0	5,5
BPA-S-07	112,0	46,0	130,0	32,0	5,5
BPA-S-10	112,0	46,0	130,0	32,0	5,5