

Single grommets are cable grommets with various design for leading through both low and medium power current cables as well as various types of tubing. These are suitable for in- and outdoor applications and available for both PG-and mm-openings.

Single grommets are available in many different polymers with different characteristics, such as weather, UV-and ozone resistance, oil resistance and RoHS compliance.

Models T-VET and T-GET are new design which can be used as sealing plug. Both these designs give absolute protection against dust and strong jets of water and also against effects of immersion between 15 cm and 1 m (IP67).

Single grommets T-VET and T-GET are available as standard of TPE material and are inspected and certified by SGS Fimko, the Finnish authority in charge of electrical equipment safety standards.



Installation



Make a hole of appropriate size to blind plate or knock-out plate. Avoid rough and sharp edges.



Place the grommet on the hole and pull it firmly to its place.



Make a small hole into the membrane using a screwdriver or cut the top of the cone using side cutters.



Push the cable or tube through the guide hole.



(Back side) Pull the cable or tube back for some 20 mm to lock it.

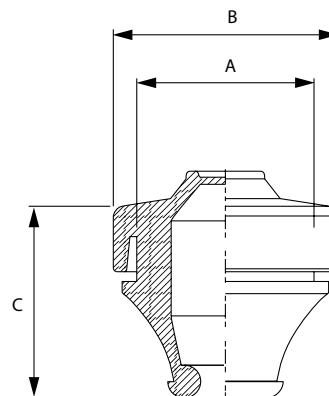


(Front side) Pull the cable or tube back for some 20 mm to lock it.

Single grommets T-VET route cables and tubing for low and medium power currents. They are suitable for indoor and outdoor use and fit PG openings. The T-VET model features a double seal design, allowing it to be used as a plug.

Technical specifications

- IP67 total protection against ingress of dust and protection against the effects of immersion between 15,0 cm and 1,0 m
- Made of TPE material
- Flame resistant UL 94 V-0 (look at product table)
- Plate wall thickness between 1 - 4 mm.
- Available for cables with 3 to 35 mm diameter
- Operating temperature from -40 °C to +100 °C



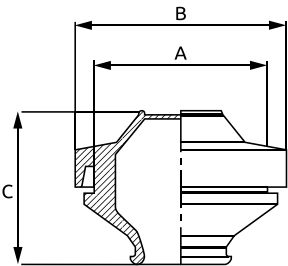
Order code	Type	Cable diameter (mm)	Color	Shade	Classification	Dimensions (mm)			Weight (g)	Package (pcs)
						A	B	C		
MBB0105G11	PG7	3 - 5	Grey	RAL 7042	UL 94 V-0	13	20	17	2,7	50
MBB0105X11	PG7		Grey	RAL 7035					3,4	
MBB0105B11	PG7		Black		UL 94 V-0, oil resistant					
MBB0107G11	PG9	5 - 7	Grey	RAL 7042	UL 94 V-0	16	20	19	3,1	50
MBB0107X11	PG9		Grey	RAL 7035					3,5	
MBB0107B11	PG9		Black		UL 94 V-0, oil resistant					
MBB0110G11	PG11	7 - 10	Grey	RAL 7042	UL 94 V-0	19	24	21	4,3	50
MBB0110X11	PG11		Grey	RAL 7035					5	
MBB0110B11	PG11		Black		UL 94 V-0, oil resistant					
MBB0114G11	PG16	10 - 14	Grey	RAL 7042	UL 94 V-0	23	29	23	6,7	50
MBB0114X11	PG16		Grey	RAL 7035					7,8	
MBB0114B11	PG16		Black		UL 94 V-0, oil resistant					
MBB0120G11	PG21	14 - 20	Grey	RAL 7042	UL 94 V-0	29	34	26	8	25
MBB0120X11	PG21		Grey	RAL 7035					9,2	
MBB0120B11	PG21		Black		UL 94 V-0, oil resistant					
MBB0126G11	PG29	20 - 26	Grey	RAL 7042	UL 94 V-0	38	46	30	15	25
MBB0126X11	PG29		Grey	RAL 7035					17,4	
MBB0126B11	PG29		Black		UL 94 V-0, oil resistant					
MBB0135G11	PG36	26 - 35	Grey	RAL 7042	UL 94 V-0	48	57,5	33	25	10
MBB0135X11	PG36		Grey	RAL 7035					28	
MBB0135B11	PG36		Black		UL 94 V-0, oil resistant					

Single grommets T-GET route cables and tubing for low and medium power currents. They are suitable for indoor and outdoor use and fit mm openings. The T-GET model features a double seal design, allowing it to be used as a plug.



Technical specifications

- IP67 total protection against ingress of dust and protection against the effects of immersion between 15,0 cm and 1,0 m
- Made of TPE material
- Flame resistant UL 94 V-0 (look at product table)
- Plate wall thickness between 1 - 5 mm and 1,2 - 5,2 mm.
- Available for cables with 3 to 60 mm diameter
- Operating temperature from -40 °C to +100 °C



Order code	Type	Cable diameter (mm)	Color	Shade	Classification	Dimensions (mm)			Plate thickness (mm)	Weight (g)	Package (pcs)
						A	B	C			
MBB0305G11	M12	3 - 5	Grey	RAL 7042		12	19	20,9	1 - 5	2,8	50
MBB0305X11	M12		Grey	RAL 7035	UL 94 V-0						
MBB0305B11	M12		Black		UL 94 V-0, oil resistant						
MBB0307G11	M16	5 - 7	Grey	RAL 7042		16	23	21,6	1 - 5	3,2	50
MBB0307X11	M16		Grey	RAL 7035	UL 94 V-0						
MBB0307B11	M16		Black		UL 94 V-0, oil resistant						
MBB0310G11	M20	7 - 10	Grey	RAL 7042		20	27	24,3	1 - 5	4,3	50
MBB0310X11	M20		Grey	RAL 7035	UL 94 V-0						
MBB0310B11	M20		Black		UL 94 V-0, oil resistant						
MBB0314G11	M25	10 - 14	Grey	RAL 7042		25	32	24,8	1 - 5	8	50
MBB0314X11	M25		Grey	RAL 7035	UL 94 V-0						
MBB0314B11	M25		Black		UL 94 V-0, oil resistant						
MBB0320G11	M32	14 - 20	Grey	RAL 7042		32	39	28,1	1 - 5	12	25
MBB0320X11	M32		Grey	RAL 7035	UL 94 V-0						
MBB0320B11	M32		Black		UL 94 V-0, oil resistant						
MBB0326G11	M40	20 - 26	Grey	RAL 7042		40	46	31,8	1 - 5	16,4	25
MBB0326X11	M40		Grey	RAL 7035	UL 94 V-0						
MBB0326B11	M40		Black		UL 94 V-0, oil resistant						
MBB0335G11	M50	26 - 35	Grey	RAL 7042		50	57	39,7	1 - 5	24	10
MBB0335X11	M50		Grey	RAL 7035	UL 94 V-0						
MBB0335B11	M50		Black		UL 94 V-0, oil resistant						
MBB0345G11	M60	30 - 45	Grey	RAL 7042		60	69	59,6	1 - 5	54	5
MBB0345X11	M60		Grey	RAL 7035	UL 94 V-0						
MBB0345B11	M60		Black		UL 94 V-0, oil resistant						
MBB0360G11	M80	40 - 60	Grey	RAL 7042		80	89	78,2	1,2 - 5,2	110	5
MBB0360X11	M80		Grey	RAL 7035	UL 94 V-0						
MBB0360B11	M80		Black		UL 94 V-0, oil resistant						

Snap-In Cable Entry Grommets – IP54 Protection.

The Morek Conical Grommets Series delivers reliable cable sealing in a compact and easy-to-install design. Manufactured from UL94 V-0 flame-retardant TPE material, these grommets ensure safety, compliance, and durability across industrial applications. Their unique conical structure adapts to various cable sizes, offering excellent strain relief and sealing performance while enabling fast, tool-free installation.

Key Benefits

- IP54 protection – Seals against dust and splashing water
- UL94 V-0 flame-retardant material – Enhanced safety compliance
- Wide cable range – Supports cables up to Ø45 mm
- Snap-in mounting – Fast, tool-free installation
- Flexible conical design – Smooth cable movement and strain relief
- Clean professional finish – Ideal for modern enclosures

Technical specifications

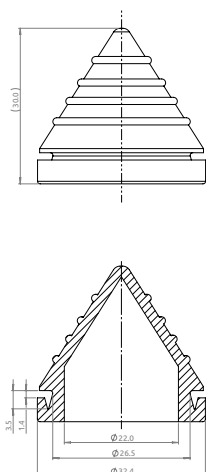
- Material: TPE
- Color: Black / Gray
- Flammability Rating: UL94 V-0
- Protection Class: IP54
- Compliance: RoHS



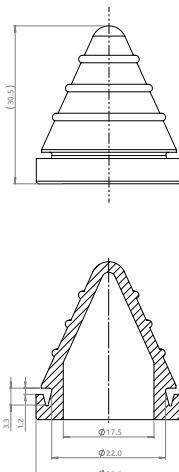
Order code		Type	Cable diameter max (mm)	Diameter	Hight	Cut-out Ø	Plate thickness (mm)	Weight (g)	Package (pcs)		
MBB0817B11	●	MBB0817G11	●	C22	17	28	30,5	21,5	1,5 - 3	5,14	100
MBB0822B11	●	MBB0822G11	●	C26	22	32,4	30	26	1,5 - 3	6,24	100
MBB0827B11	●	MBB0827G11	●	C33	27	39,9	30	33,5	1,5 - 3,5	7,68	100
MBB0838B11	●	MBB0838G11	●	C43	38	49,4	30	43	1,5 - 3,5	10,8	100
MBB0845B11	●	MBB0845G11	●	C49	45	57,8	30	49,5	1,5 - 3,5	13,79	100

Dimensions

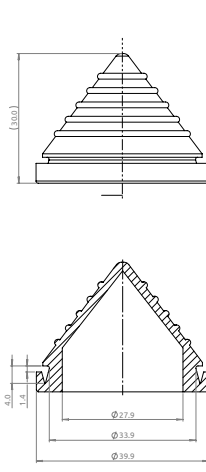
C22



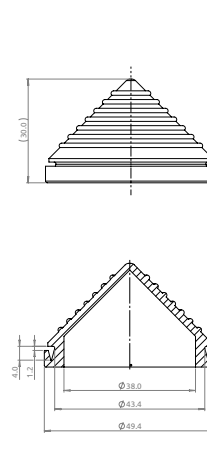
C26



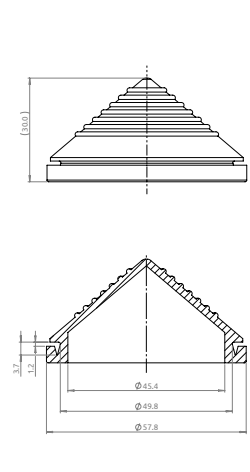
C33



C43



C49

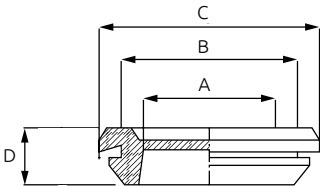


Single grommets T-GD and T-GDM route cables and tubing for low and medium power currents. They are suitable for indoor and outdoor use. T-GD grommets fit PG openings, while T-GDM grommets fit metric openings (mm).



Technical specifications

- IP54 protection against dust and water splashed from all directions.
- Made of TPE material
- Flame resistant UL 94 V-0
- Plate wall thickness between 1 - 2 mm and 1,5 - 3 mm.
- Available for cables with 9 to 69 mm diameter
- Operating temperature from -40 °C to +100 °C



T-GD

Order code	Type	Cable diameter max (mm)	Color	Dimensions (mm)				Plate thickness (mm)	Weight (g)	Package (pcs)
				A	B	C	D			
MBB0509B11	PG9	9	Black	9	15,5	20	7	1 - 2	2	100
MBB0511B11	PG11	11	Black	11	18,5	23	7	1 - 2	3	100
MBB0513B11	PG13,5	13,5	Black	13,5	20,5	25	7	1 - 2	4	100
MBB0516B11	PG16	16	Black	16	22,5	28	7	1 - 2	4	100
MBB0521B11	PG21	21	Black	21	28	35	9	1 - 2	12	100
MBB0529B11	PG29	29	Black	29	37	44	10	1 - 2	16	100
MBB0536B11	PG36	36	Black	36	47	54	12	1,5 - 3	17	100
MBB0548B11	PG48	48	Black	48	60	68	12	1,5 - 3	54	50
MBB0553B11	PG53	53	Black	53	64	75	12	1,5 - 3	110	50
MBB0569B11	PG69	69	Black	69	79	90	12	1,5 - 3	110	30

T-GDM

Order code	Type	Cable diameter max (mm)	Color	Dimensions (mm)				Plate thickness (mm)	Weight (g)	Package (pcs)
				A	B	C	D			
MBB0609B11	M12	9	Black	9	12,2	17	7	1 - 2	2	100
MBB0611B11	M16	11	Black	11	16,2	21	7	1 - 2	3	100
MBB0613B11	M20	13,5	Black	13,5	20,5	25	7	1 - 2	4	100
MBB0616B11	M25	16	Black	16	25,2	31	7	1 - 2	4	100
MBB0621B11	M32	21	Black	21	32,2	40	9	1 - 2	12	100
MBB0629B11	M40	29	Black	29	40,2	48	10	1 - 2	16	100
MBB0636B11	M50	36	Black	36	50,2	58	12	1,5 - 3	17	100
MBB0648B11	M60	48	Black	48	60,2	68	12	1,5 - 3	54	50
MBB0653B11	M70	53	Black	53	70,2	81	12	1,5 - 3	110	50
MBB0669B11	M80	69	Black	69	80,2	91	12	1,5 - 3	110	30

T-CG single grommets with integrated stainless steel cable tie and fasteners provide a robust, space-efficient solution for routing and sealing individual large-diameter cables through enclosures and panels. Designed for demanding industrial environments, these grommets combine high ingress protection with secure strain relief in one compact assembly.



Key Benefits

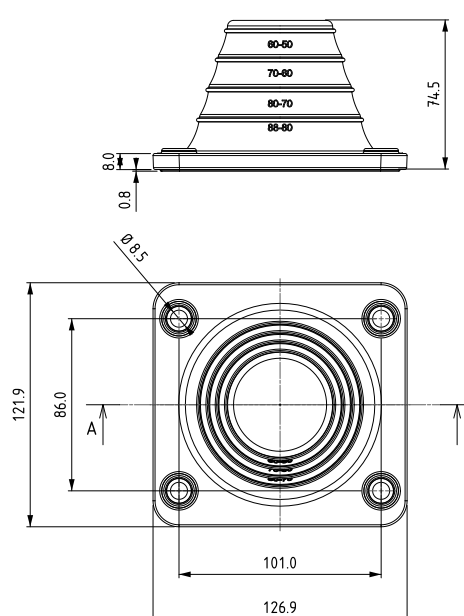
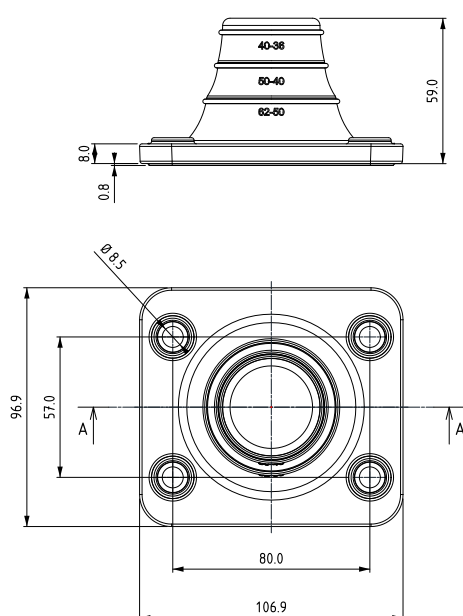
- IP66 protection against dust and powerful water jets
- Integrated stainless steel cable tie and fasteners for secure strain relief
- Halogen-free TPE membrane for safety and durability
- Wide cable diameter coverage for large single cables
- Quick installation with minimal tools
- Suitable for industrial cabinets, machinery, and outdoor enclosures

Technical specifications

- Made of TPE material
- Flame resistant UL 94 HB
- Service temperature for unstressed material -40 °C to +100 °C

Order code	Type	Cable diameter	Color	Dimensions (mm)	Classification	Weight (g)	Package (pcs)
MBA6N62G11	T-CG 62	36 - 62	Light gray	107x97x59	UL94 HB	250	20
MBA6N88G11	T-CG 88	50 - 88	Light gray	127x122x75	UL94 HB	300	20

Dimensions



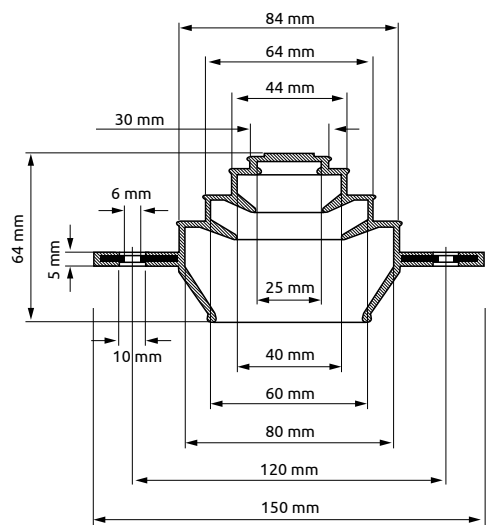
Single grommets M 20-80 route low and medium power cables and tubing, specifically designed for cables with larger diameters up to 80 mm. They are suitable for both indoor and outdoor applications.

- Technical specifications**
- Made of TPE material
 - Flame resistant UL 94 V-0
 - Plate wall thickness 1,5 - 3 mm.
 - Available for cables with 20 to 80 mm diameter
 - Service temperature for unstressed material -40 °C to +100 °C



Order code	Color	Classification	Weight (g)	Package (pcs)
MBA6N80G11	Grey (RAL 7042)		260	50
MBA6N80X11	Light Grey (RAL 7035)	UL 94 V-0	260	50
MBA6N80B11	Black	UL 94 V-0, Oil resistant	260	50

Dimensions



M-GD Series Round Cable Entry Plates

**Fast and easy
assembly**

UL94 V-0, halogen-free
thermoplastic elastomer and
fiberglass reinforced plastic

-40°C...+90°C
material service temperature (unstressed)



The cable entries of the new M-GD serie match the cut-out dimensions from M20 to M50 with a various combinations of cable solutions.

These high cable density entries enable fast routing of cables into control cabinets, panels or machines and thanks to the flexible outer lip design, can be installed into cabinet walls with thickness variable from 1 to 4mm.

- Technical specifications**
- Thermoplastic elastomer and fiberglass reinforced plastic
 - UL94 V-0, halogen-free
 - Light grey
 - Unstressed service temperature: -40°C...+90°C
- Advantages**
- Fast and easy assembly
 - High cable density
 - High IP protection (P65)
 - Hygienic design with a flat surface structure
 - Designed for cabinet walls of 1 to 4mm thickness in one
 - Suitable for both indoor and outdoor use

Cross-table of connectivity MGD plates

Cable diameter	MGD 20-4	MGD 20-4.1	MGD 20-5	MGD 20-9	MGD 25-4	MGD 25-6	MGD 25-7	MGD 32-7	MGD 32-10	MGD 32-10.2	MGD 32-11	MGD 32-13	MGD 40-9	MGD 40-16	MGD 40-17	MGD 50-9	MGD 50-11	MGD 50-12	MGD 50-16	MGD 50-18	MGD 50-20	MGD 50-35
1-3,6 mm			2	4																		
1-4 mm															1					2		
1-4,5 mm		2																				
1-4,6 mm			2	5																		
1-5,2 mm	4					4	7		6		9	13										35
1-5,3 mm														2					4			
1-6 mm																				2		
1-6,3 mm														10					5		16	
1-6,4 mm									2	10												
1-7 mm																5						
1-7,2 mm															16		7			4		
1-8 mm		2			4			7			2											
1-9,2 mm																		10				
1-9,3 mm																					4	
1-9,4 mm						2			2											5		
1-9,5 mm													8	2					3			
1-10,6 mm			1																			
1-11,2 mm																	3	2				
1-11,3 mm													1	2					4			
1-12 mm																				5		
1-18 mm																4						
1-22,5 mm																	1					

Plate thickness 1-4 mm

Order code	Type	Cable diameter (mm)	Total number of cables	Cut-out	Cut-out Ø (mm)	Dimensions (mm)	Weight (g)	Package (pcs)
MBB0721L11	MGD 20-4	4 x 1 - 5,2	4	M20	Ø 20,5	32,2 x 13	6	500
MBB0722L11	MGD 20-4.1	2 x 1 - 8	4					
MBB0725L11	MGD 20-5	1 x 1 - 10,6 2 x 1 - 4,6 2 x 1 - 3,6	5					
MBB0729L11	MGD 20-9	5 x 1 - 4,6 4 x 1 - 3,6	9					
MBB0724L11	MGD 25-4	4 x 1 - 8	4	M25	Ø 25,5	37,2 x 13	8	400
MBB0726L11	MGD 25-6	4 x 1 - 5,2 2 x 1 - 9,4	6					
MBB0727L11	MGD 25-7	7 x 1 - 5,5	7					
MBB0737L11	MGD 32-7	7 x 1 - 8	7	M32	Ø 32,5	44,2 x 13	12	300
MBB0730L11	MGD 32-10	6 x 1 - 5,2 2 x 1 - 6,4 2 x 1 - 9,4	10					
MBB0732L11	MGD 32-10.2	10 x 1 - 6,4	10					
MBB0731L11	MGD 32-11	2 x 1 - 8 9 x 1 - 5,2	11					
MBB0733L11	MGD 32-13	13 x 1 - 5,2	13	M40	Ø 40,5	52,2 x 13	14	250
MBB0749L11	MGD 40-9	8 x 1 - 9,5 1 x 1 - 11,3	9					
MBB0746L11	MGD 40-16	2 x 1 - 5,3 10 x 1 - 6,3 2 x 1 - 9,5 2 x 1 - 11,3	16					
MBB0747L11	MGD 40-17	1 x 1 - 4	17					
MBB0759L11	MGD 50-9	5 x 1 - 7 4 x 1 - 18	9	M50	Ø 50,5	62,2 x 13	23	300
MBB0751L11	MGD 50-11	7 x 1 - 7,2 3 x 1 - 11,2 1 x 1 - 22,5	11					
MBB0752L11	MGD 50-12	10 x 1 - 9,2 2 x 1 - 11,2	12					
MBB0756L11	MGD 50-16	4 x 1 - 5,3 5 x 1 - 6,3 3 x 1 - 9,5 4 x 1 - 11,3	16					
MBB0758L11	MGD 50-18	2 x 1 - 4,6 2 x 1 - 6,4 4 x 1 - 7,2 5 x 1 - 9,4 5 x 1 - 12	18					
MBB0750L11	MGD 50-20	16 x 1 - 6,5 4 x 1 - 9,5	20					
MBB0755L11	MGD 50-35	35 x 1 - 5,2	35					

Cable entry plates

Fast and easy
assembly

Dual sealing
according to IP65/66

UL94 V0 self-extinguishing
options available



MC (IP66/67) cable entry plates are designed to route and seal cables without connectors. They offer quick and easy assembly by creating a small hole in the thin membrane and pushing the cables through. These plates are suitable for standard cut-outs for FL21 and can be securely screwed in place.

Advantages

- Fast and easy assembly
- High cable density
- Dual cable sealing with IP66/IP67
- Excellent IP protection when cables are bent
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP66 and IP67
- Material: Thermoplastic elastomer
- Material base frame: Metal reinforcement electroplated steel
- Color: Black or Grey (RAL7035)
- Flame class: UL94-V0, self-extinguishing option available
- Temperature: -40 °C...+100 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 9,5 mm



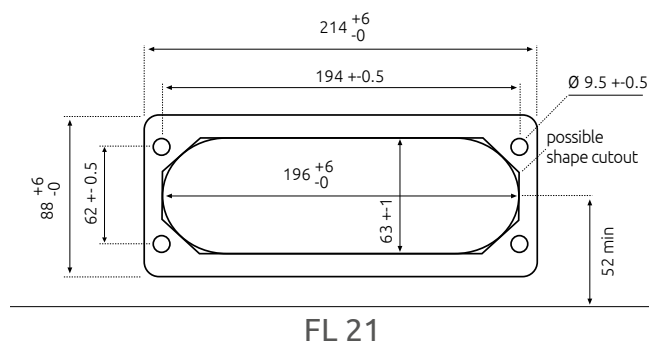
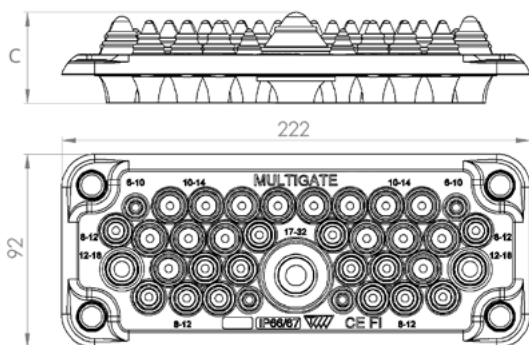
Description	Package (pcs)	MC 3/7 (IP66/67)	MC 25/27 (IP66/67)	MC 35/37 (IP66/67)
Light Grey RAL 7035 4 plastic pins included	40	MBA1C07G11	MBA1C27G11	MBA1C37G11
Light Grey RAL 7035 UL 94 V-0 approved	60	MBA1N07X11	MBA1N27X11	MBA1N37X11
Black UL 94 V-0 approved	60	MBA1N07B11	MBA1N27B11	MBA1N37B11

Technical data

Service temperature	-40 to + 100 °C	-40 to + 100 °C	-40 to + 100 °C
Dimensions height C (mm)	76	43	43
Number of cables (pcs) x cable diameter (mm)	4 x 10 - 14 2 x 24 - 54 1 x 30 - 60 - -	4 x 5 - 7 4 x 8 - 12 13 x 10 - 14 4 x 14 - 20 2 x 20 - 26	4 x 6 - 10 14 x 8 - 12 16 x 10 - 14 2 x 12 - 18 1 x 17 - 32
Total number of cables	7	27	37
Mounting hole size	C - FL 21	C - FL 21	C - FL 21
Weight (g)	206	229	233

Mounting pins are available on request.

Dimensions of cable entry plates and mounting hole



MC (IP65) cable entry plates are designed to route and seal cables without connectors. Assembly is quick and easy by creating a small hole in the thin membrane and pushing the cables through. They are suitable for standard FL21 cut-outs and can be securely screwed in place.

Advantages

- Fast and easy assembly
- High cable density
- Dual cable sealing with IP65
- Hygienic design - free of dirt-collecting recesses
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP65
- Material: Thermoplastic elastomer
- Material base frame: Metal reinforcement electroplated steel
- Color: Black or Grey (RAL7035)
- Flame class: UL94-V0, self-extinguishing option available
- Oil-resistant option available
- Temperature: -40 °C...+100 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 9,5 mm



MC 3 (IP65)



MC 25 (IP65)



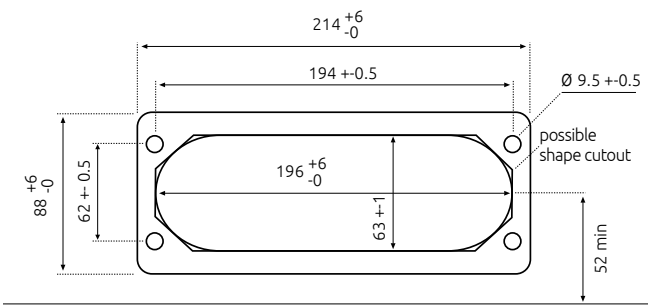
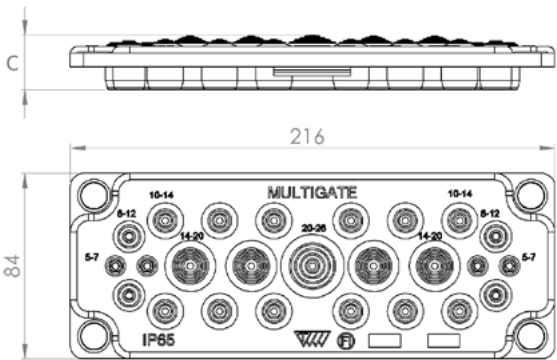
MC 35 (IP65)

Light Grey RAL 7035 4 plastic pins included	●	MBA1C03L11	MBA1C25L11	MBA1C35L11
Black	●	MBA1N03A11	MBA1N25A11	MBA1N35A11
Black, UL94 V0, oil-resistant	●	MBA1N03B11	MBA1N25B11	MBA1N35B11

Technical data				
Service temperature		-40 to + 100° C	-40 to + 100° C	-40 to + 100° C
Dimensions (mm)		214 x 82	216 x 84	216 x 84
Number of cables (pcs) x cable diameter (mm)		4 x 8 - 12 (IP54) 2 x 24 - 54 (IP65) 1 x 30 - 60 (IP65) - -	4 x 5 - 7 4 x 8 - 12 12 x 10 - 14 4 x 14 - 20 1 x 20 - 26	2 x 6 - 10 14 x 7 - 12 16 x 10 - 14 2 x 12 - 18 1 x 17 - 32
Total number of cables		7	25	35
Mounting hole size		C - FL 21	C - FL 21	C - FL 21
Weight (g)		199	230	220
Package (pcs)		100	100	100

Mounting pins are available on request.

Dimensions of cable entry plates and mounting hole



FL 21

MC 4 (IP65)

- MC 4 (IP65) cable entry plates are designed for route and seal cables without connectors
- The assembly of the MC 4 (IP65) with cables or pneumatic hoses can be done quick and easy. Simply make a small hole in the thin membrane and push the cables through

Advantages

- Fast and easy assembly
- High cable density
- Dual cable sealing with IP65
- Hygienic design - free of dirt-collecting recesses
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP65
- Material: Thermoplastic elastomer
- Material base frame: Metal reinforcement stainless steel
- Color: Black
- Flame class: UL94-V0, self-extinguishing option available

Stainless steel reinforcement frame eliminates the inductive eddy currents that can be generated by the cables



- Oil-resistant option available
- Temperature: -40 °C...+100 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 9,5 mm



MC 4 (IP65)

Black, UL 94 V-0 approved

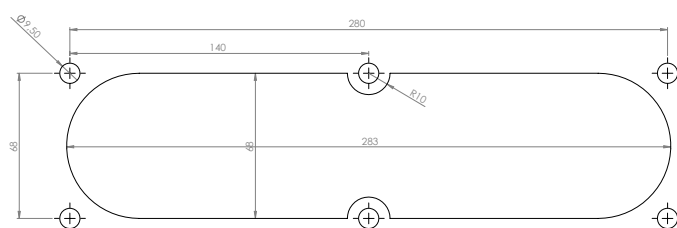
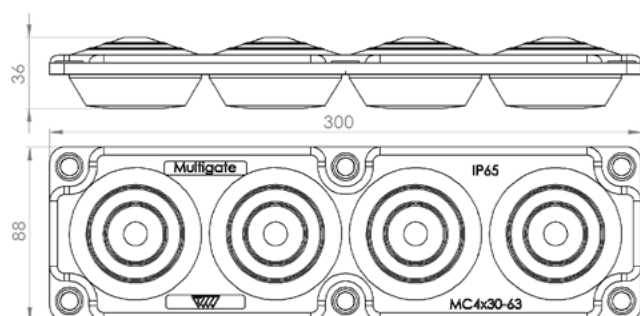


MBA1F04B11

Technical data

Service temperature	-40 to + 100° C
Number of cables (pcs) x cable diameter (mm)	4 x 30 - 63 mm
Total number of cables	4
Mounting hole size	283 x 68 mm
Weight (g)	258
Package (pcs)	50

Dimensions of cable entry plates and mounting hole



MC 10 (IP55), MC 16 (IP54) and MC 24 (IP66) cable entry plates are designed to route and seal cables without connectors.

Installation of MC 10 (IP55), MC 16 (IP54) and MC 24 (IP66) with cables or pneumatic hoses is quick and easy. Simply make a small hole in the thin membrane and push the cables through.

Suitable for standard FL21 cut-outs. Designed for screw mounting.

Advantages

- Fast and easy assembly
- High cable density
- Excellent IP protection when cables are bent
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP55 / IP54 / IP66
- Material: Thermoplastic elastomer (TPE)
- Material base frame: glass fibre reinforced polypropylene (PP-GF)
- Color: Grey (RAL7035)
- Temperature: -40 °C...+100 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 9,5 mm / MC 24 5,5 mm



MC 10 (IP55)

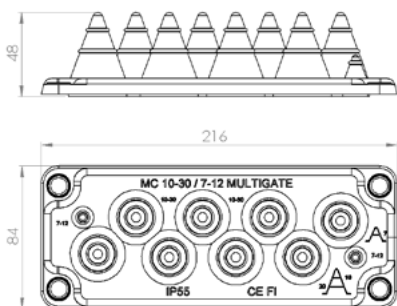
MC 16 (IP54)

MC 24 (IP66)

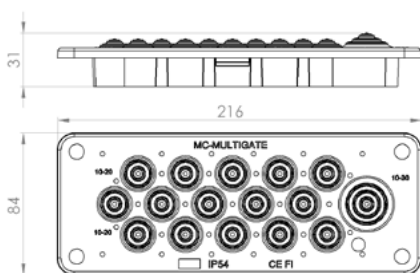
Light Grey, RAL 7035 UL 94 V-0 approved	MBA1N10X11	MBA1C16L11	MBA1N24X11
Technical data			
Service temperature	-40 to + 100 °C	-40 to + 100 °C	-40 to + 100 °C
Number of cables (pcs) x cable diameter (mm)	2 x 7 - 12 8 x 10 - 30	15 x 10 - 20 1 x 10 - 30	1x 4-7.5mm 18x10-17mm 3x 15-20mm 2x 21-26mm
Total number of cables	10	16	24
Mounting hole size	C - FL 21	C - FL 21	MC 24
Weight (g)	200	120	215
Package (pcs)	100	80	100

Mounting pins are available on request.

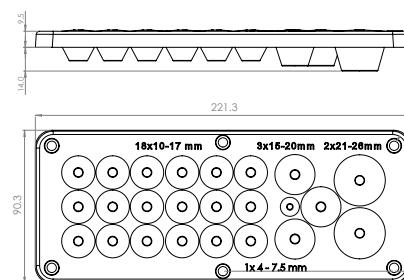
Dimensions of cable entry plates and mounting hole



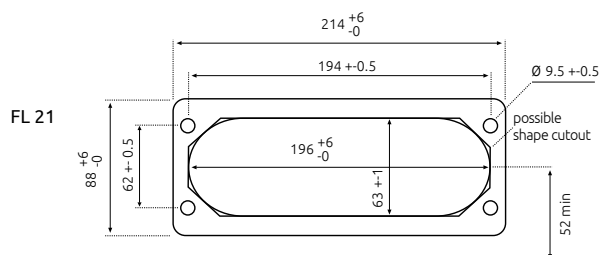
MC 10



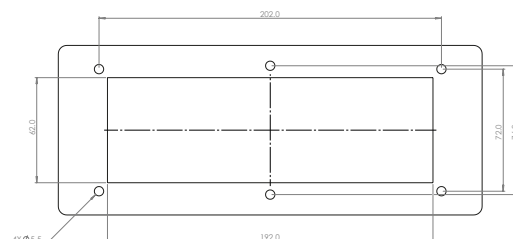
MC 16



MC 24



MC 24



Suitable for Rittal KX/KL enclosures

LMC (IP44, 54) cable entry plates are designed for route and seal cables without connectors
The assembly of the LMC (IP44, 54) with cables or pneumatic hoses can be done quick and easy. Simply make a small hole in the thin membrane and push the cables through
Suitable for standard cut-outs for FL21. For screwing in place

Advantages

- Fast and easy assembly
- High cable density
- Excellent IP protection when cables are bent
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP44, IP54
- Material: Thermoplastic elastomer
- Material base frame: Metal reinforcement electroplated steel
- Color: Grey (RAL7035)
- Flame class: UL94-V0, self-extinguishing option available
- Temperature: -40 °C...+90 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 9,5 mm



LMC 14 (IP54)

LMC 25 (IP54)

LMC 51 (IP55)

LMC 35 (IP44)

Light Grey RAL 7035 Bulk packaging with pins	●	MBA3F14L11	MBA3F25L11	MBA3F51L11	MBA3F35L11
Light Grey RAL 7035 UL 94 V-0 approved	●	MBA3N14X11	MBA3N25X11	MBA3N51X11	–

Technical data

Service temperature	-40 to + 100 °C	-40 to + 100 °C	-40 to + 100 °C	-40 to + 100 °C
Number of cables (pcs) x cable diameter (mm)	5 x 10 - 14 4 x 14 - 18 3 x 14 - 22 2 x 24 - 54 -	2 x 3.5 - 11 5 x 10 - 14 12 x 14 - 18 5 x 14 - 22 1 x 14 - 35	50 x 7 - 13 1 x 15 - 25 - - -	1 x 15 - 32 2 x 12 - 18 16 x 10 - 14 14 x 7 - 12 2 x 6 - 10
Total number of cables	14	25	51	35
Mounting hole size	C - FL 21	C - FL 21	C - FL 21	C - FL 21
Weight (g)	199	201	205	220
Package (pcs)	100	100	100	100
Length (A) / Width (B) / Height (C) (mm)	222 / 92 / 30	222 / 92 / 30	222 / 92 / 30	214 / 84 / 9,5

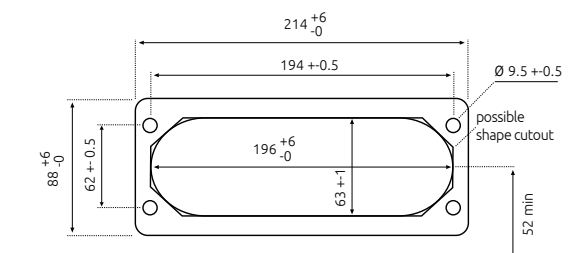
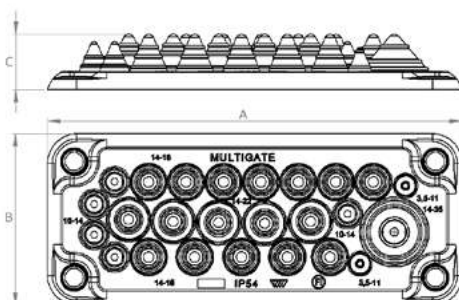
Pin (4 pcs)

Product code

MBA7300G11



Dimensions of cable entry plates and mounting hole



- MB (IP55, 66/67) cable entry plates are designed for route and seal cables without connectors
- The assembly of the MB (IP55, 66/67) with cables or pneumatic hoses can be done quick and easy. Simply make a small hole in the thin membrane and push the cables through
- Suitable for standard cut-outs for FL13. For screwing in place

Advantages

- Fast and easy assembly
- High cable density
- Dual cable sealing with IP66/IP67
- Excellent IP protection when cables are bent
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP55, IP66 and IP67
- Material: Thermoplastic elastomer
- Material base frame: Metal reinforcement electroplated steel
- Color: White or Grey (RAL7035)
- Flame class: UL94-V0, self-extinguishing option available
- Temperature: -40°C...+100 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 7 mm



MB 4/10 (IP55)*



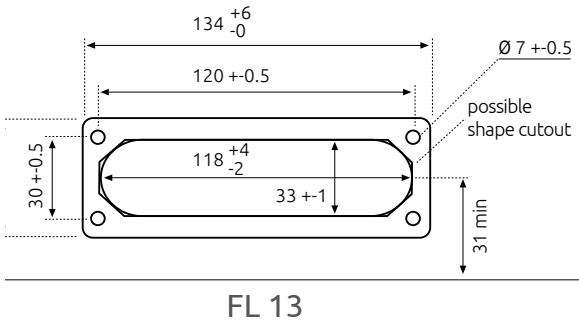
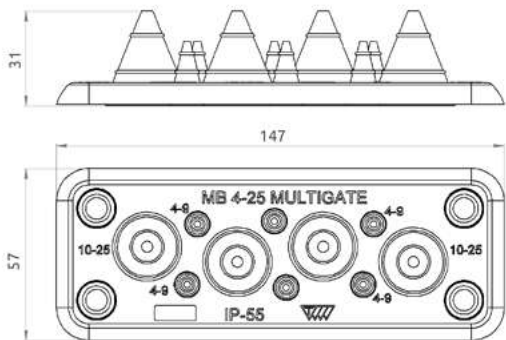
MB 5/11 (IP66/67)*

Light Grey RAL 7035	●	-	MBA2N11L11
Light Grey RAL 7035 UL 94 V-0 approved	●	MBA2N10W11	MBA2N11X11
White UL 94 V-0 approved	○	MBA2N12W11	-

Technical data			
Service temperature	-40 to + 100 °C	-40 to + 100 °C	
Number of cables (pcs) x cable diameter (mm)	4 x 10 - 25 6 x 4 - 9 - -	4 x 5 - 7 3 x 7 - 10 2 x 10 - 14 2 x 15 - 30	
Total number of cables	10	11	
Mounting hole size	B - FL 13	B - FL 13	
Weight (g)	68	86	
Package (pcs)	200	200	

* For the smaller mounting hole (size B).

Dimensions of cable entry plates and mounting hole



Type	Length (A)	Width (B)	Height (C)
MB (IP55, 66/67)			
MB 4/10 (IP55)	146	56	31
MB 5/11 (IP66/67)	147	57	42

MHF series plastic reinforced cable entry plates are suitable for leading through cables and various types of tubing. They match the cut-out dimensions of standard 10/16/24-pole industrial connectors, no separate gaskets are needed.

These cable entry plates give total protection against ingress of dust and water splashed from all directions, due to IP protection class of IP66 and are suitable for both indoor and outdoor use. The materials are self-extinguishing (UL94 V0) and halogen free, the outer sides of the cable entry plates are flat, and thus suitable for medical and food industries, due to ease of cleaning.

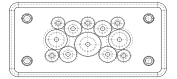
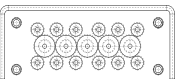
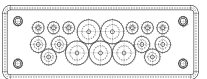
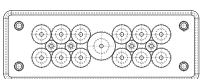
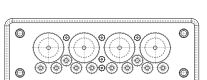
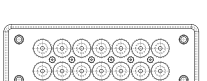
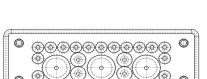
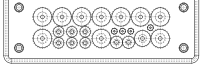
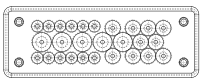
Technical specifications

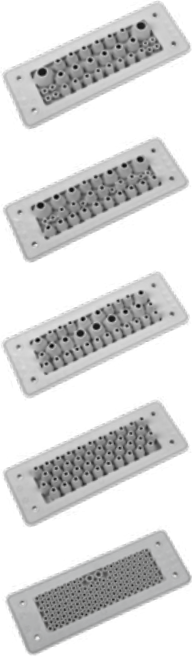
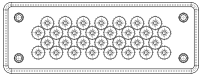
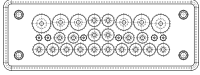
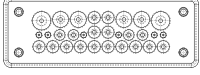
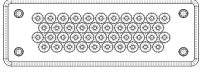
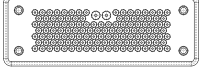
- IP rating: IP66
- Membrane material: Thermoplastic elastomer
- Frame material: Glass fiber reinforced polypropylene
- Color: Grey (RAL7035) or black (RAL9005)
- Flame-retardancy class: UL94 V0
- Temperature: -40 °C...+90 °C
- Properties: Halogen free, Silicone free
- Mounting type: Screw type mounting
- Diam. of screw holes: 4,2 mm

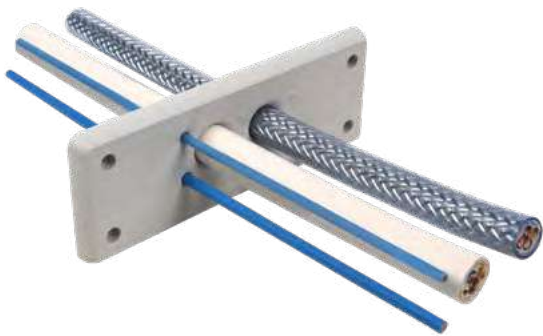
Advantages

- High cable density
- Self-extinguishing plastic
- Dual cable sealing with IP66
- Hygienic design - free of dirt-collecting recesses
- Screw mounting
- Suitable for both indoor and outdoor use

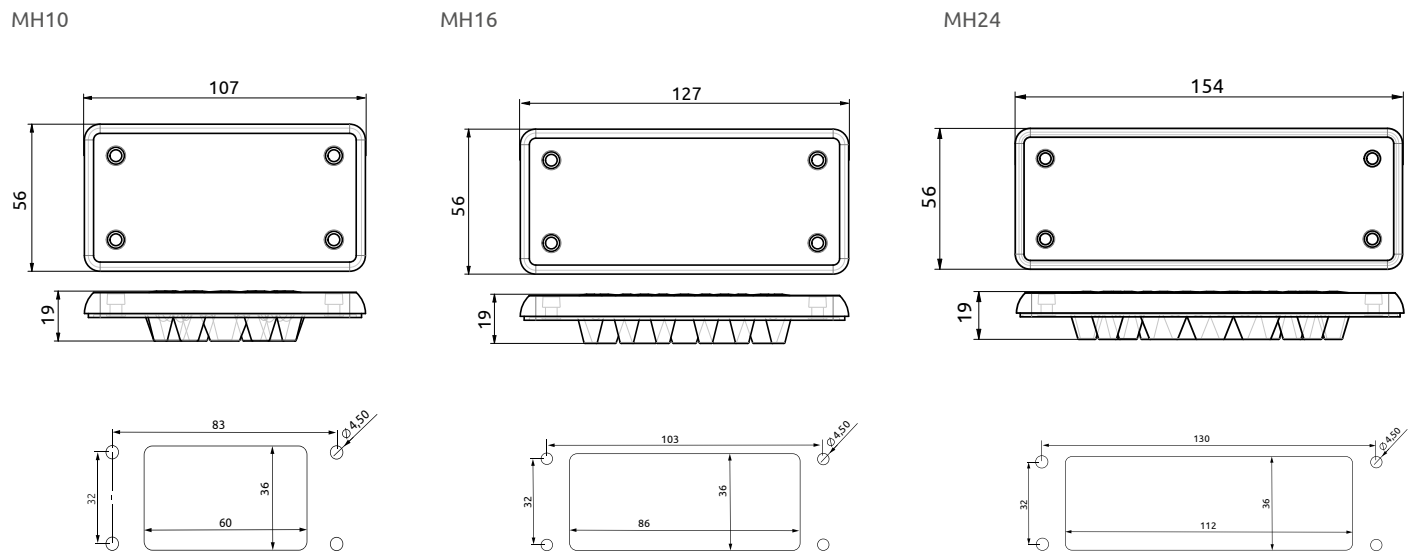


	Drawing	Name	Product code	No. of cables x diameter	Weight (g)	Opening size
		MH10 F12-1	● MBA8N12X10 ● MBA8N12B10	5 x 3 - 7 4 x 5 - 10 2 x 7 - 13 1 x 9 - 16	48	B10
		MH16 F17-1	● MBA8N17X16 ● MBA8N17B16	12 x 3 - 7 5 x 7 - 13	59	B16
		MH24 F17-2	● MBA8N17X24 ● MBA8N17B24	6 x 3 - 7 6 x 5 - 10 5 x 9 - 16	64	B24
		MH24 F17-3	● MBA8N17X10 ● MBA8N17B10	4 x 3 - 7 12 x 7 - 20 1 x 10 - 20	59	B24
		MH24 F19-1	● MBA8N19X24 ● MBA8N19B24	5 x 1,5 - 3 10 x 3,2 - 6,5 4 x 16 - 22	71	B24
		MH24 F20-1	● MBA8N20X24 ● MBA8N20B24	6 x 1,5 - 3 14 x 7,2 - 12	71	B24
		MH24 F22-1	● MBA8N22X24 ● MBA8N22B24	15 x 3 - 7 4 x 4,5 - 10 3 x 15 - 20	65	B24
		MH24 F23-1	● MBA8N23X24 ● MBA8N23B24	4 x 1,5 - 3 4 x 3,2 - 6,3 10 x 4 - 7,5 1 x 5,5 - 10,5 1 x 8 - 12,5 3 x 12 - 16,2	71	B24
		MH24 F23-2	● MBA8N24X24 ● MBA8N24B24	4 x 1,5 - 3 6 x 3,2 - 6,3 2 x 4 - 7,5 1 x 5,5 - 10,5 10 x 8 - 12,5	71	B24
		MH24 F27-1	● MBA8N27X24 ● MBA8N27B24	12 x 3 - 7 10 x 4,5 - 10 5 x 7 - 13	70	B24
		MH24 F30-1	● MBA8N30X10 ● MBA8N30B10	30 x 3 - 8	71	B24

Drawing		Name	Product code	No. of cables x diameter	Weight (g)	Opening size
		MH24 F30-2	● MBA8N30X24 ● MBA8N30B24	8 x 1,5 - 3 8 x 3,2 - 5,5 6 x 4 - 7,5 6 x 5 - 8,5 2 x 9,5 - 14,5	71	B24
		MH24 F30-3	● MBA8N32X24 ● MBA8N32B24	6 x 1,5 - 3 4 x 3,2 - 6,3 14 x 4 - 7,5 2 x 8 - 12,5	71	B24
		MH24 F31-1	● MBA8N31X24 ● MBA8N31B24	20 x 3,2 - 6,5 8 x 5 - 10,2 3 x 7,5 - 12	71	B24
		MH24 F42-1	● MBA8N42X24 ● MBA8N42B24	42 x 3,2 - 6,5	71	B24
		MH24 F125-1	● MBA8N125X24 ● MBA8N125B24	123 x 1,5 - 3 2 x 2,5 - 5	71	B24



Dimensions



Cable/tube diameter	MH-10 F12-1	MH-16 F17-1	MH-24 F17-2	MH-24 F17-3	MH-24 F22-1	MH-24 F27-1	MH-24 F30-1	MH-24 F19-1	MH-24 F20-1	MH-24 F23-1	MH-24 F23-2	MH-24 F30-2	MH-24 F30-3	MH-24 F31-1	MH-24 F42-1	MH24 F125-1
1.5-3mm								5	6	4	4	8	6			123
2.5-5mm																2
3-7mm	5	12	6	4	15	12										
3-8mm							30									
3.2-5.5mm												8				
3.2-6.3mm										4	6		4			
3.2-6.5mm								10						20	42	
4-7.5mm										10	2	6	14			
4.5-10mm					4	10										
5-8.5mm												6				
5-10mm	4		6													
5-10.2mm														8		
5.5-10.5mm										1	1					
7-13mm	2	5				5										
7-20mm				12												
7.2-12mm									14							
7.5-12mm														3		
8-12.5mm										1	10		2			
9-16mm	1		5													
9.5-14.5mm												2				
10-20mm				1												
12-16.2mm										3						
15-20mm					3											
16-22mm								4								



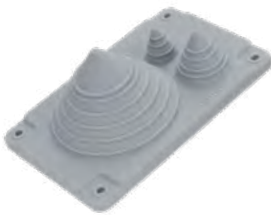
Cable entry plates MC Solar are designed for efficient and secure cable routing in special cut-out applications. With an IP66 rating, these plates provide excellent protection against dust and water.

Advantages

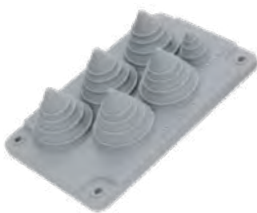
- Fast and easy assembly
- High cable density
- Dual cable sealing with IP66/IP67
- Excellent IP protection when cables are bent
- Screw mounting
- Suitable for both indoor and outdoor use

Technical specifications

- IP rating: IP66
- Material: Thermoplastic elastomer TPE
- Color: Grey (RAL7035)
- Flame class: UL94-V0, self-extinguishing
- Temperature: -40 °C to +90 °C
- Properties: Halogen free, Silicone free



MC 1/3 Solar (IP66)



MC 5/1 Solar (IP66)

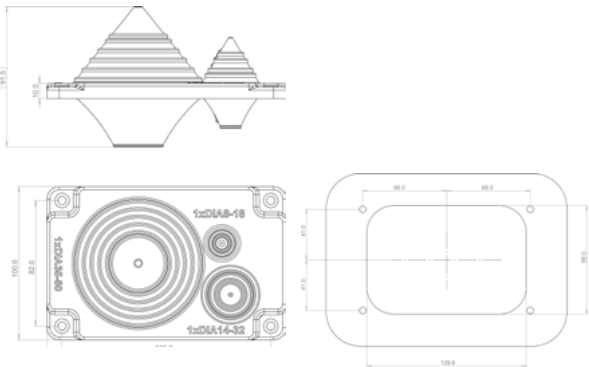
Light Grey RAL 7035	MBA1F13L11	MBA1F51L11
	UL 94 V-0 approved	UL 94 V-0 approved

Technical data

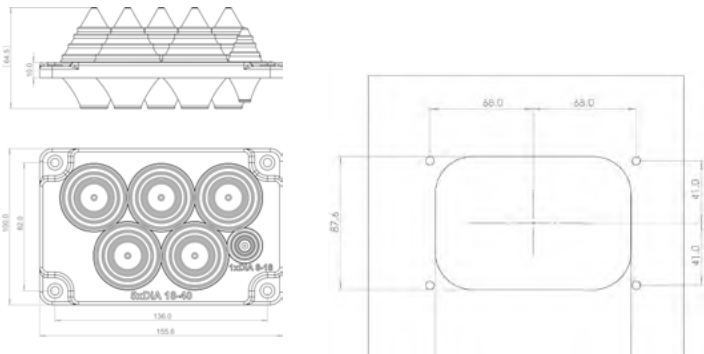
Number of cables (pcs) x cable diameter (mm)	1 x 35 - 80 1 x 14 - 32 1 x 8 - 18	5 x 18 - 40 1 x 8 - 18 -
Total number of cables	3	5
Mounting hole size	130 x 88 mm	130 x 88 mm
Length (A) / Width (B) / Height (C) (mm)	155,6 / 100 / 91	155,6 / 100 / 91
Weight (g)	128	130
Package (pcs)	60	60

Dimensions

MC 1/3



MC 5/1



Cable entry plate RMC (IP65)

Patent-pending solution

Very quick, precise
and easy way
to insert cables

No need to use cutting, pliers, knives or other tools



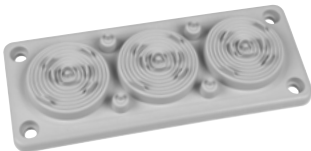
- Cable gland plate used as a conductor entry point in an electrical cabinet; the enclosure wall thickness can vary from 1 to 4 mm
- For use with diverse cable sizes in both low and medium voltage power applications
- Suitable for rough industrial conditions indoors as well as extreme climatic conditions outdoors

Advantages

- Each cable entry point has a tab that can be peeled off to create an opening for quick insertion and pull-through operations without the need for cutting pliers, knives or other tools
- Pre-embossed, circular entry points guarantee a precise, clean and robust seal around the cable; no additional glands or gaskets required
- A high density of incoming/outgoing conductors can be installed with minimal space requirements

Technical specifications

- Feed-through membrane made of thermoplastic elastomer (TPE) with polypropylene glass fiber reinforcement (PP-GF)
- Cable entry points with various cross-sectional diameters (no pre-attached connectors)
- Available in two colors: black and light grey (RAL7035)
- Designed to match an FL21 flange size cut-out
- Standard M8 bolts used for mounting on the enclosure wall (bolts not included in package)
- High IP65 protection against the ingress of dust and water
- UL 94 V-0 flammability rating (selected versions)
- Operational ambient temperature range (material unstressed): -40 °C...+90 °C



RMC 3 (IP65)



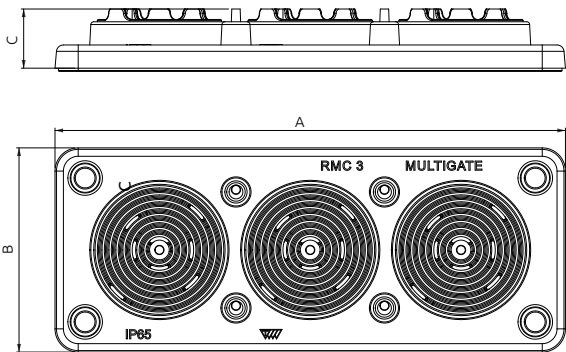
RMC 17 (IP65)

Grey (RAL 7035)	●	MBA9N07011	-
Grey (RAL 7035) UL 94 V-0 approved	●	MBA9N07X11	MBA1N17X11
Black (RAL 9005) UL 94 V-0 approved	●	MBA9N07B11 (UL 94 V-0	MBA1N17B11

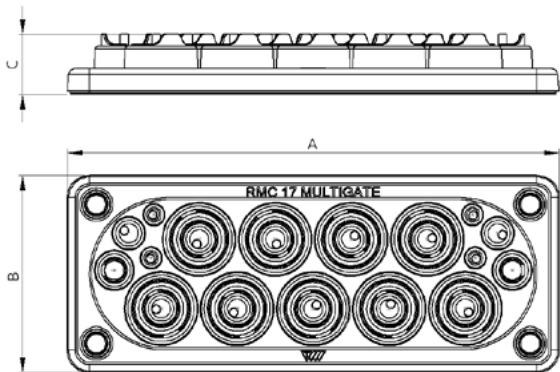
Technical data		
Number of cables (pcs) x cable diameter (mm)	4 x 7-10 3 x 12-57	4 x 5-7 2 x 10-12 2 x 12-15 9 x 10-30
Total number of cables	7	17
Dimensions A / B / C (mm)	220 / 88 / 25,5	220 / 88 / 25,5
Classification	UL 94 V-0	UL 94 V-0
Weight (g)	131	134
Package (pcs)	100	100

Dimensions

RMC 3



RMC 17



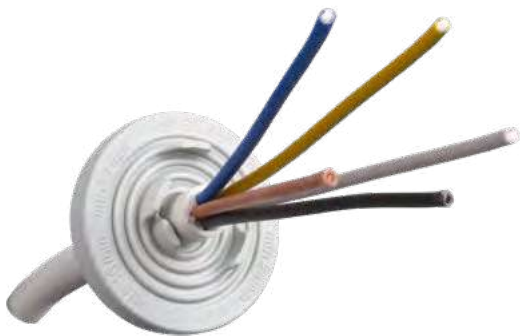
- Used as a conductor entry point in an electrical cabinet; the wall thickness can vary from 1-3,5 mm
- For use with diverse cable sizes in both low and medium voltage power applications
- Suitable for rough industrial conditions indoors as well as extreme climatic conditions outdoors

Advantages

- Each RGD has several cable entry points - tabs - that can be peeled off to create an opening for quick insertion and pull-through operations without the need for cutting pliers, knives or other tools
- Each tab has marking of cable diameter matching it written next to it
- Pre-embossed, circular entry points guarantee a precise, clean and robust seal around the cable; no additional glands or gaskets required

Technical specifications

- Made of thermoplastic elastomer (TPE)
- Designed to match M40, M50 and M60 size cut-out and diameter range from 10 to 54 mm:
 - o M40: 10-34 mm cable
 - o M50: 12-44 mm cable
 - o M60: 12-54 mm cable
- Available in two colors: black and light grey (RAL7035)
- High IP64 protection against the ingress of dust and water
- Flammability rating according to UL 94 V-0
- Operational ambient temperature range (material unstressed): -40 °C...+100 °C



Order code	Type	Cable diameter (mm)	Color	Shade	Classification	Dimensions (mm)					Weight (g)	Package (pcs)
						A	B	C	D	E		
MBB0540X11	T-RGDM 40	10-34	Grey	 RAL 9035	UL 94 V-0	34 mm	40 mm	47 mm	16 mm	1,5-3 mm	10	400
MBB0540B11			Black	 RAL 7005	UL 94 V-0							
MBB0550X11	T-RGDM 50	12-44	Grey	 RAL 9035	UL 94 V-0	44 mm	50 mm	57 mm	16 mm	1,5-3 mm	13,2	250
MBB0550B11			Black	 RAL 7005	UL 94 V-0							
MBB0560X11	T-RGDM 60	12-54	Grey	 RAL 9035	UL 94 V-0	54 mm	60 mm	67 mm	16 mm	1,5-3 mm	16,4	200
MBB0560B11			Black	 RAL 7005	UL 94 V-0							

Dimensions

