

Electrical protection





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Multigates

Multigates are metal or plastic reinforced cable gland plates for leading through low and medium power current cables as well various types of tubing. The products fit directly to standard cut-outs.

Multigates do not need any separate gaskets or glands which makes Multigates very easy to use, providing innumerable advantages in a single assembly unit.

Multigate cable gland plates are made of various types of polymers. All these polymers are RoHS approved and have excellent weather, UV- and ozone resistance. Also EMC-compatible and oil resistant models are available. Oil resistance has been tested according to UL 157 -standard, and these test results are available on request.

Multigates are available with plastic locking pins, which can be used to secure the Multigate to metal as well as plastic enclosures (indoor applications).



Packing codes

Example code 105002	
105002b	LMC-14 IP54 RAL7035 single packed bag
105002f	LMC-14 IP54 RAL7035 with fastener pins
105002c	LMC-14 IP54 RAL7035 single packed with fastener pins (combination)

IP66/67-series

Multigates MC 3/7, MC 25/27, MC 35/37 and MB 5/11 are metal reinforced cable gland plates with new excellent design. The design gives absolute protection against dust and strong jets of water and also against the effects of immersion between 15 cm and 1 m. Also the new design gives excellent protection for strongly bended cables.

IP65-series

Multigates MC 3, MC 25 and MC 35 are metal reinforced cable gland plates with well known design. The design gives absolute protection against dust and spraying water from all directions.



IP55-series

Multigate MB 4/10, MC-10 and MB-4 are metal reinforced cable gland plates with well known design. The design gives protection for limited ingress of dust and against water splashed from all directions.

IP54 LMC-series

Multigates LMC 14, LMC 25, LMC 35 and LMC 51 are metal reinforced cable gland plates with new design. The design gives protection against water splashed from all directions. Also the new design gives excellent protection for separate cables when cables are bended effectly.

IP54-series

Multigate MC 16 is plastic or metal reinforced cable gland plates with well known design. The design gives protection for limited ingress of dust and against water splashed from all directions.

MC 3/7



MC 3/7 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 3/7 Multigate is metal reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 3/7 Multigate is suitable for both outdoor and indoor use.

MC 3/7 Multigate gives absolute protection against dust and both strong jets of water from all direction and against the effects of immersion between 15 cm and 1,0 m.

MC 3/7 Multigate can be used instead of MC 3 Multigate. The configuration has the same openings than MC 3.

MC 3/7 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 3/7 Multigate will lead through and seal cables as follows:

24 - 54 mm	2 pcs
30 - 60 mm	1 pc
10 - 14 mm	4 pcs

Total of 7 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
105041	Light Grey	7035	3400353	From Stock	-40 - +100 °C	Material UL 94 V-0 approved
103577	Light Grey	7035	3400321	From Stock	-40 - +100 °C	
103576	Grey	7032	3400320	3-4 weeks from PO	-40 - +100 °C	
103580	Black		3400323	From Stock	-40 - +100 °C	Material UL 94 V-0 approved

- Packing size 60 pcs/box
- Single packed 40 pcs/box (b)

*) Service temperature for unstressed material

MC 25/27



Multigates

MC 25/27 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 25/27 Multigate is metal reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 25/27 Multigate is suitable for both outdoor and indoor use.

MC 25/27 Multigate gives absolute protection against dust and both strong jets of water from all direction and against the effects of immersion between 15 cm and 1,0 m.

MC 25/27 Multigate can be used instead of MC 25 Multigate. The configuration has the same openings than MC 25 and 2 extra.

MC 25/27 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards

MC 25/27 Multigate will lead through and seal cables as follows:

5 - 7 mm	4 pcs
8 - 12 mm	4 pcs
10 - 14 mm	13 pcs
14 - 20 mm	4 pcs
20 - 26 mm	2 pcs

Total of 27 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
105042	Light Grey	7035	3400354	From Stock	-40 – +100 °C	Material UL 94 V-0 approved
103584	Light Grey	7035	3400326	From Stock	-40 – +100 °C	
103583	Grey	7032	3400325	3-4 weeks from PO	-40 – +100 °C	
103586	Black		3400328	From Stock	-40 – +100 °C	Material UL 94 V-0 approved

- Packing size 60 pcs/box
- Single packed 40 pcs/box (b)

*) Service temperature for unstressed material

MC 35/37



MC 35/37 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 35/37 Multigate is metal reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 35/37 Multigate is suitable for both outdoor and indoor use.

MC 35/37 Multigate gives absolute protection against dust and both strong jets of water from all direction and against the effects of immersion between 15 cm and 1,0 m.

MC 35/37 Multigate can be used instead of MC 35 Multigate. The configuration has the same openings than MC 35 and 2 extra.

MC 35/37 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 35/37 Multigate will lead through and seal cables as follows:

6 - 10 mm	4 pcs
8 - 12 mm	14 pcs
10 - 14 mm	16 pcs
12 - 18 mm	2 pcs
17 - 32 mm	1 pc

Total of 37 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
105043	Light Grey	7035	3400355	From Stock	-40 – +100 °C	Material UL 94 V-0 approved
103589	Light Grey	7035	3400331	From Stock	-40 – +100 °C	
103588	Grey	7032	3400330	3-4 weeks from PO	-40 – +100 °C	
103591	Black		3400333	From Stock	-40 – +100 °C	Material UL 94 V-0 approved

- Packing size 60 pcs/box
- Single packed 40 pcs/box (b)

*) Service temperature for unstressed material

MB 5/11



Multigates

MB 5/11 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a B-standard cut-out (or FL 13).

MB 5/11 Multigate is a metal reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MB 5/11 Multigate is suitable for both outdoor and indoor use.

MB 5/11 Multigate gives absolute protection against dust and both strong jets of water from all directions and against the effects of immersion between 15 cm and 1,0 m.

MB 5/11 Multigate can be used instead of MB 5 Multigate. The configuration has the same openings as MB 5 and 6 extra.

MB 5/11 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MB 5/11 Multigate will lead through and seal cables as follows:

5 - 7 mm	4 pcs
7 - 10 mm	3 pcs
10 - 14 mm	2 pcs
15 - 30 mm	2 pcs

Total of 11 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
105044	Light Grey	7035	3400356	From Stock	-40 – +100 °C	Material UL 94 V-0 approved
103608	Light Grey	7035	3400336	From Stock	-40 – +100 °C	
103607	Grey	7032	3400335	3-4 weeks from PO	-40 – +100 °C	

MC 3



MC 3 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 3 Multigate is well known metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 3 Multigate is suitable for both outdoor and indoor use.

MC 3 Multigate gives absolute protection against dust and spraying water from all directions.

MC 3 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 3 Multigate will lead through and seal cables as follows:

24 - 54 mm	2 pcs	IP65
30 - 60 mm	1 pc	IP65
8 - 12 mm	4 pcs	IP54

Total of 7 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
100234	Light Grey	7035	1732351	From Stock	-40 – +100 °C **)	
100235	Black		3400301	From Stock	-40 – +100 °C	Material Ø oil-resistant
100233	Grey	7032	1732350	3-4 weeks from PO	-40 – +100 °C **)	

- Packing size 100 pcs/box
- Single packed 80 pcs/box (b)

*) Service temperature for unstressed material
 **) Available with fastener pins Ø

MC 25

MC 25 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 25 Multigate is well known metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 25 Multigate is suitable for both outdoor and indoor use.

MC 25 Multigate gives absolute protection against dust and spraying water from all directions.

MC 25 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 25 Multigate will lead through and seal cables as follows:

5 - 7 mm	4 pcs
8 - 12 mm	4 pcs
10 - 14 mm	12 pcs
14 - 20 mm	4 pcs
20 - 26 mm	1 pc

Total of 25 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
100238	Light Grey	7035	1732352	From Stock	-40 – +100 °C **)	
100239	Black		3400304	From Stock	-40 – +100 °C	Material \emptyset oil-resistant
100237	Grey	7032	3400306	3-4 weeks from PO	-40 – +100 °C **)	
100214	Black		3400305		-40 – +100 °C	EMC tested

- Packing size 100 pcs/box
- Single packed 80 pcs/box (b)

*) Service temperature for unstressed material

**) Available with fastener pins (f)

MC 35



MC 35 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 35 Multigate is well known metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 35 Multigate is suitable for both outdoor and indoor use.


MC 35 Multigate gives absolute protection against dust and spraying water from all directions.

MC 35 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 35 Multigate will lead through and seal cables as follows:

6 - 10 mm	2 pcs
7 - 12 mm	14 pcs
10 - 14 mm	16 pcs
12 - 18 mm	2 pcs
17 - 32 mm	1 pc

Total of 35 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
100244	Light Grey	7035	1732353	From Stock	-40 – +100 °C **)	
100245	Black		3400308	From Stock	-40 – +100 °C	Material  oil-resistant
100243	Grey	7032	3400310	3-4 weeks from PO	-40 – +100 °C **)	
100215	Black		3400309		-40 – +100 °C	EMC tested

MC 16



Multigates

MC 16 Reversible Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21)

MC 16 Reversible Multigate is plastic reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 16 Reversible Multigate can be used by two different ways. When the Multigate is used "facade" up, it works as a regular P enclosure cable gland plate. The product contains a gasket against the cabinet and it comes with self-locking pins. This means that no special tools are needed at any point of the installation. When the

Multigate is used reversed it functions as a piping grommet in dry space switchboards. Pipes lock securely to the seal in the gland plate by the friction of the elastic material. Membranes on the plate seal the pipes and effectively prevent condensate formation in pipes that run, for instance, through attic space. The self-locking pins supplied with the Multigate are also suitable for reverse mounting.

MC 16 Reversible Multigate is suitable for both outdoor and indoor use.

MC 16 Reversible Multigate gives protection for limited ingress of dust and against water splashed from all directions.

MC 16 Reversible Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 16 Multigate will lead through and seal cables as follows:

10 - 20 mm	15 pcs
10 - 30 mm	1 pc

Total of 16 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
100084	Light Grey	7035	3400311	3-4 weeks from PO	-40 – +100°C	

- Packing size 100 pcs/box
- Single packed 80 pcs/box (b)

*) Service temperature for unstressed material

**) Available with fastener pins

MC 10



MC 10 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

MC 10 Multigate is metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MC 10 Multigate is suitable for both outdoor and indoor use.

MC 10 Multigate gives protection for limited ingress of dust and against water splashed from all directions.

MC 10 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

MC 10 Multigate will lead through and seal cables as follows:

7 - 12 mm	2 pcs
10 - 30 mm	8 pcs

Total of 10 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
103552	Light Grey	7035	3400312	From Stock	-40 – +100 °C	Material UL 94 V-0 approved

- Packing size 200 pcs/box
- Packing size 100 pcs/box

*) Service temperature for unstressed material
*) Service temperature for unstressed material



MB 4 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing.
It its directly to a B-standard cut-out (or FL 13)

MB 4 Multigate is metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MB 4 Multigate is suitable for both outdoor and indoor use.

MB 4 Multigate gives protection for limited ingress of dust and against water splashed from all directions.

MB 4 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards

MB 4 Multigate will lead through and seal cables as follows:	
10 - 25 mm	4 pcs
Total of 4 cables	

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
100216	White	3400318	From Stock	-40 – +100 °C	Material UL 94 V-0 approved

LMC 14 IP54



LMC 14 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

LMC 14 Multigate is metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

LMC 14 Multigate is suitable for both outdoor and indoor use.

LMC 14 Multigate gives protection against water splashed from all directions.

LMC 14 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

LMC 14 IP54 Multigate will lead through and seal cables as follows:

24 - 54 mm	2 pcs
14 - 22 mm	3 pcs
14 - 18 mm	4 pcs
10 - 14 mm	5 pcs

Total of 14 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
104338	Light Grey	7035	3400350	From Stock	-40 – +100 °C	Material UL 94 V-0 approved
105002	Light Grey	7035	3400357	From Stock	-40 – +100 °C **)	

- Packing size 100 pcs/box
- Single packed 80 pcs/box (b)

*) Service temperature for unstressed material
 **) Available with fastener pins ⌀

LMC 25 IP54

Multigates

LMC 25 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

LMC 25 Multigate is metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

LMC 25 Multigate is suitable for both out- door and indoor use.

LMC 25 Multigate gives protection against water splashed from all directions.

LMC 25 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

LMC 25 IP54 Multigate will lead through and seal cables as follows:

14 - 35 mm	1 pc
14 - 22 mm	5 pcs
14 - 18 mm	12 pcs
10 - 14 mm	5 pcs
3.5 - 11 mm	2 pcs

Total of 25 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
104335	Light Grey	7035	3400341	From Stock	-40 – +100 °C	Material UL 94 V-0 approved
105003	Light Grey	7035	3400358	From Stock	-40 – +100 °C **)	

- Packing size 100 pcs/box
- Single packed 80 pcs/box (b)

*) Service temperature for unstressed material
**) Available with fastener pins (f)

LMC 51 IP54



LMC 51 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

LMC 51 Multigate is metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

LMC 51 Multigate is suitable for both outdoor and indoor use.

LMC 51 Multigate gives protection against water splashed from all directions.

LMC 51 Multigate is inspected and certified by SGS FIMKO: the Finnish authority in charge of electrical equipment safety standards.

LMC 51 IP54 Multigate will lead through and seal cables as follows:

15 - 25 mm	1 pc
7 - 13 mm	50 pcs

Total of 51 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
104344	Light Grey	7035	3400347	From Stock	-40 – +100 °C	Material UL 94 V-0 approved
105004	Light Grey	7035	3400359	From Stock	-40 – +100 °C **)	

LMC 35 IP44



Multigates

LMC 35 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard cut-out (or FL 21).

LMC 35 Multigate is metal reinforced cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

LMC 35 Multigate is suitable for both out- door and indoor use.

LMC 35 Multigate gives protection against water splashed from all directions.

LMC 35 Multigate is inspected and by SGS FIM certified KO: the Finnish authority in charge of electrical equipment safety standards.

LMC 35 IP44 Multigate will lead through and seal cables as follows:

15 - 32 mm	1 pc
12 - 18 mm	2 pcs
10 - 14 mm	16 pcs
7 - 12 mm	14 pcs
6 - 10 mm	2 pcs

Total of 35 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
100241	Light Grey	7035	3400344	From Stock	-40 – +100 °C	

- Packing size 100 pcs/box
- Single packed 80 pcs/box (b)

*) Service temperature for unstressed material
 **) Available with fastener pins ⌀

MB 4/10



MB 4/10 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a B-standard cut-out (or FL 13).

MB 4/10 Multigate is a metal-reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands, which makes it very easy to use, providing innumerable advantages in a single assembly unit.

MB 4/10 Multigate is suitable for both outdoor and indoor use.

MB 4/10 Multigate can be used instead of MB 4 Multigate. The configuration has the same openings as MB 4 and 6 extra.

MB 4/10 Multigate will lead through and seal cables as follows:

4 - 9 mm	6 pc
10 - 25 mm	4 pcs

Total of 10 cables

Code	Colour	Ral code	Electrical number	Delivery time	Service temperature *)	Special
105953	Grey	7032	3400370	3 - 4 weeks from PO	-40 – +100 °C	
105954	Light Grey	7035	3400371	From stock	-40 – +100 °C	Material UL 94 V-0 approved

- Packing size 200 pcs/box

*) Service temperature for unstressed material



Multigates

MH 10 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It matches the cut out dimensions for 24-pole standard industrial connectors.

MH 10 Multigate is a new plastic reinforced cable gland made of halogen free polymers. It meets the respective IP enclosure classes and it does not need separate gaskets or glands. This single assembly unit provides innumerable advantages and makes it easy to use.

MH 10 Multigate is suitable for both outdoor and indoor use.

MH 10 Multigate gives protection against limited ingress of dust and against water splashed from all directions.

MH 10 Multigate will lead through and seal cables as follows:

up to 30 mm	2 pcs
up to 18 mm	2 pcs
up to 8 mm	6 pcs

Total of 10 cables

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
106748	Black	3400364	From Stock	-40 – +90 °C	Material V-0

*) Service temperature for unstressed material

MH 25



MH 25 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It matches the cut out dimensions for 24-pole standard industrial connectors.

MH 25 Multigate is a new plastic reinforced cable gland made of halogen free polymers. It meets the respective IP enclosure classes and it does not need separate gaskets or glands. This single assembly unit provides innumerable advantages and makes it easy to use.

MH 25 Multigate is suitable for both outdoor and indoor use.

MH 25 Multigate gives total protection against ingress of dust and against water splashed from all directions.

MH 25 Multigate will lead through and seal cables as follows:

10 - 20 mm	1 pc
6 - 12 mm	4 pcs
6 - 9 mm	8 pcs
3 - 7 mm	9 pcs
3 - 6 mm	3 pcs

Total of 25 cables

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
106714	Black	3400363	From Stock	-40 – +90 °C	Material V-0

*) Service temperature for unstressed material



Multigates

MH 27 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It matches the cut out dimensions for 24-pole standard industrial connectors.

MH 27 Multigate is a new plastic reinforced cable gland made of halogen free polymers. It meets the respective IP enclosure classes and it does not need separate gaskets or glands. This single assembly unit provides innumerable advantages and makes it easy to use.

MH 27 Multigate is suitable for both outdoor and indoor use.

MH 27 Multigate gives total protection against ingress of dust and against water splashed from all directions.

MH-27 Multigate will lead through and seal cables as follows:

10 - 20 mm	1 pc
3 -6 mm	26 pcs

Total of 27 cables

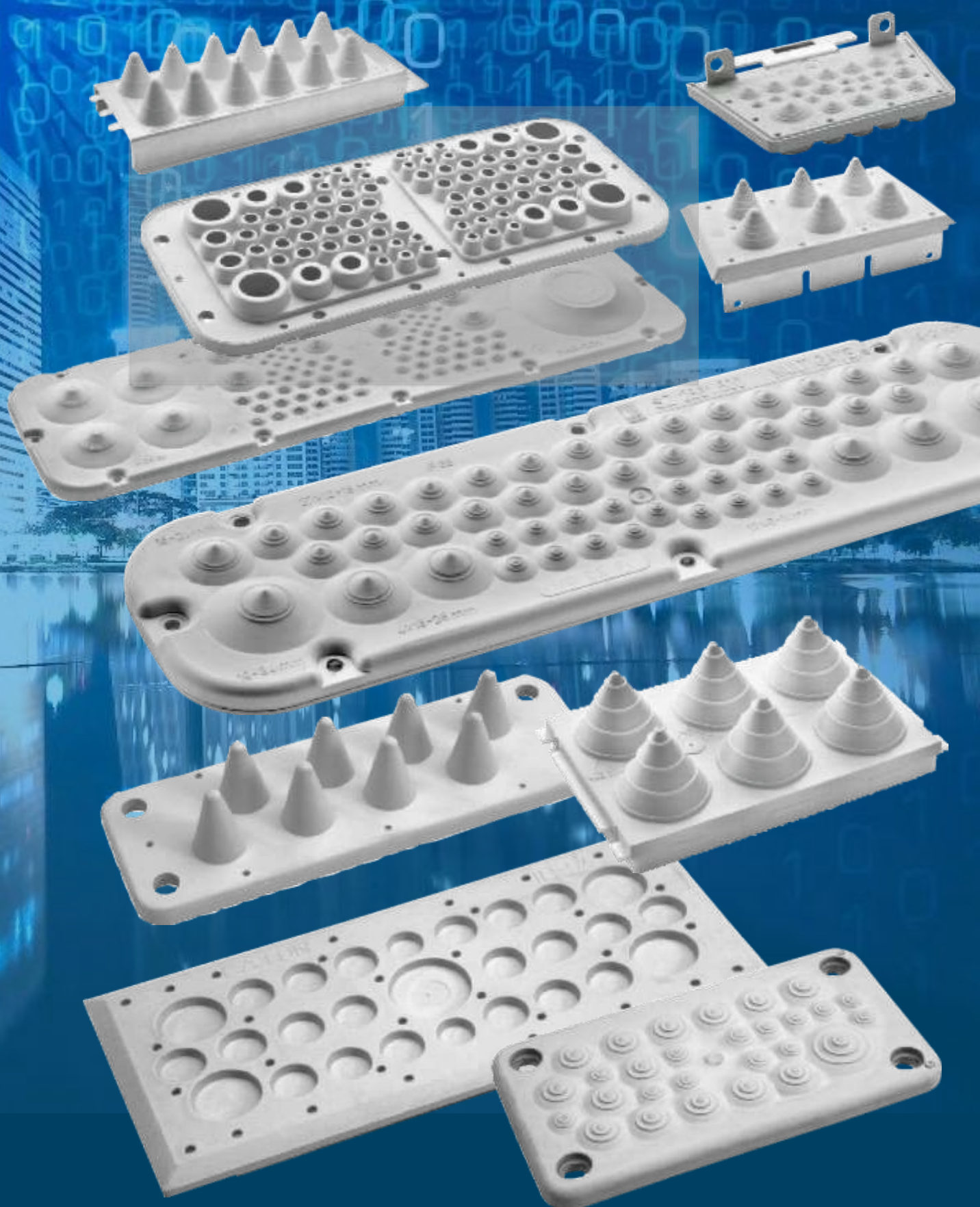
Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
106604	Black	3400362	From Stock	-40 – +90 °C	Material V-0

ISMC



ISMC Interspace is a cable holding gland plate suitable for leading cables through cabinet walls. The structure can be cut to make it for cables with various dimensions. The cables can be led through in an organized way without damaging them metal edges of the cut out.

Custom made



Splitting Multigates

Splitting gland plates for cables with attached con- nectors

Often with the cables come the connectors and very often the connectors can not be removed and re-attached. The delicate data cables, HDMI's etc. are difficult or impossible to re-join at site. The Trelleborg Split Multigate is the solution that lets the cables be installed with the connectors and on top of that the cables can be changed as often as wanted. Choose Trelleborg Splitting Multi-gate for fast, safe and versatile installations.

MC 2x8-67



MC 1x8-67



SCG 2x3-35





SCG 1x3-35



MC 2/10, MC 2/18 MC 1/9



MC 2x8-67



MC 2x8-67 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It its directly to a C-standard aperture (or FL 21).

MC 2x8-67 Multigate is plastic reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need

separate gaskets or glands which make it very easy to use, providing innumerable advantages in a single assembly unit.

MC 2x8-67 Multigate is suitable for both outdoor and indoor use.

Multigate will lead through and seal cables as follows:

8 - 67 mm 2 pcs

Total of 2 cables

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
100074	Black	1732349	From Stock	-40 - +90	Material UL 94 V-0 approved

*) Service temperature for unstressed material

MC 1x8-67



Splitting Multigates

MC 1x8-67 Multigate is suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-standard aperture (or FL 21).

MC 1x8-67 Multigate is plastic reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need

separate gaskets or glands which make it very easy to use, providing innumerable advantages in a single assembly unit.

MC 1x8-67 Multigate is suitable for both outdoor and indoor use.

Multigate will lead through and seal cables as follows:	
8 - 67 mm	1 pcs
Total of 1 cables	

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
106692	Black	3400365	From Stock	-40 – +90 °C	
106582	Black	3400366	3-4 weeks from PO	-40 – +90 °C	Material UL 94 V-0 approved

*) Service temperature for unstressed material

SCG 2x3-35



SCG splitting cable gland is suitable for leading through both low and medium power current cables as well as various types of tubing.

SCG splitting cable gland is plastic reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

SCG splitting cable gland is suitable for both outdoor and indoor use.

SCG will lead through and seal cables as follows:

3 - 35 mm	2 pcs
-----------	-------

Total of 2 cable

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
105929	Black	3400369	From stock	-40 - +90	Material UL 94 V-0 approved

*) Service temperature for unstressed material

SCG 1x3-35



Splitting Multigates

SCG splitting cable gland is suitable for leading through both low and medium power current cables as well as various types of tubing.

SCG splitting cable gland is plastic reinforced new type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which makes it very easy to use, providing innumerable advantages in a single assembly unit.

SCG splitting cable gland is suitable for both outdoor and indoor use.

Multigate will lead through and seal cables as follows:

3 - 35 mm	1 pcs
-----------	-------

Total of 1 cables

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
105928	Black	3400368	From stock	-40 - +90	Material UL 94 V-0 approved

*) Service temperature for unstressed material

MC 2/10 MC 2/18



MC 2/10 & MC2/18 Multigates are suitable for leading through both low and medium power current cables as well as various types of tubing. It fits directly to a C-stand and aperture (or FL21) MC 2/10 & MC2/18 provide possibility to assemble various cables with and without connectors.

MC 2/10 & MC2/18 Multigates are plastic reinforced type of cable gland plate made of various types of polymers. It meets the respective IP enclosure classes as it does not need separate gaskets or glands which make it very easy to use, providing innumerable advantages in a single assembly unit.

MC 2/10 Multigate will lead through and seal cables as follows:

8-67 mm	1 pcs
8 - 11 mm	2 pcs
10 - 13 mm	2 pcs
up to 14 mm	5 pcs *

Total of 10 cables

MC 2/18 Multigate will lead through and seal cables as follows:

8 - 11 mm	4 pcs
10 - 13 mm	4 pcs
up to 14 mm	10 pcs *

Total of 18 cables

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
106618	Black		3-4 weeks from PO	-40 – +90 °C	Material UL 94 V-0 approved
106619	Black		3-4 weeks from PO	-40 – +90 °C	Material UL 94 V-0 approved

*) Service temperature for unstressed material
**) Only for cables without connector

MC 1/9



Splitting Multigates

MC 1/9 is suitable for leading through low and medium current cables as well as various types of tubing. The design provides possibility to assemble cables with and without connectors. MC 1/9 is reinforced polymer composite product that meets the respective IP enclosure classes. Furthermore, it does not need separate gaskets or glands which make it easy to install.

MC 1/9 along with MC 2/10 & MC 2/18 variations cover comprehensively customers cabling needs in wide cable diameter range and regardless the attached connector.

Please contact to our technical sales matter of customizing.

MC 1/9 Multigate will lead through and seal cables as follows:

8 - 11 mm	2 pcs
10 - 13 mm	2 pcs
up to 14 mm	5 pcs *

Total of 9 cables

Code	Colour	Electrical number	Delivery time	Service temperature *)	Special
106825	Black		3-4 weeks from PO	-40 – +90 °C	Material UL 94 V-0 approved

*) Service temperature for unstressed material
**) Only for cables without connector

Typical properties of materials

Comparison of Material

TPE (Thermoplastic Elastomer)

- excellent resistance to weathering, ozone and UV exposure
- provides good chemical resistance, and excellent electrical properties limited resistance for oils (resists oils as splash)
- flame retardant grades UL 94 V-0 , halogen free
- standard hardnesses 25 ShA – 70ShA
- recyclable
- wide range of colours, easy to customize
- service temperature range -40 to + 100°C
- FDA approved grades available

TPU (Thermoplastic Urethane)

- good resistance to weathering, ozone and UV exposure
- good abrasive properties
- limited resistance for oils (resists oils as splash)
- standard hardnesses 50 ShA – 70ShA
- recyclable
- wide range of colours, easy to customize
- service temperature range -40 - + 100°C
- FDA approved grades available

TPV (Thermoplastic Vulcanizate)

- show excellent resistance to UV Light; very little change in DeltaE
- improved oil and chemical resistance; Exhibit superior chemical resistance over a wide range of temperature (Oils/Petroleum and Sebum, Automotive fluids, aqueous solutions, acids and bases, organic solvents)
- flame retardant grades 50 ShA to 50 ShD , UL 94V-0
- hardness range 15 ShA to 50 ShD Temperature range

continues use up to 125°C and short-term exposure up to 150°C. Brittle point lower than -60°C for most grades. Provides good low-temperature flexibility and impact toughness

- it looks and feels like thermoset rubber
- improved compression set at elevated temperatures (over 70°C)
- medical/food contact grades from 45 ShA to 50 ShD

EPDM (Ethylene Propylene Diene Monomer)

- superior resistance to weathering, ozone and UV exposure
- provides excellent chemical resistance, and good electrical properties
- resists animal and vegetable oils, steam, water and oxygenated solvents
- flame retardant grades UL 94 V-2

- standard hardnesses 40 ShA – 70ShA
- limited range of colours
- working temperature range -40 to + 120°C
- EMC grades with attenuation around 40 dB

NBR (Nitrile Butadiene Rubber)

- limited weathering resistance
- it is generally resistant to fuel and other chemicals.
Also re- sistant to aliphatic hydrocarbons but less resistant aromatic hydrocarbons, ketones, esters, aldehydes and to ozone
- lame resistance is poor
- hardness range 20 - 95ShA
- working temperature range of -40 to + 125°C
- environmental performances: colorability, gas permeability and water resistance are excellent
- other physical & mechanical properties: adhesion to metal and rigid materials are excellent, abrasion resistance, compression set and tear resistance are good to excellent

CR (Chloroprene Rubber)

- good weathering resistance, lame retarding.
Moderate resistance to petroleum-based luids
- service temperature -45 to +120°C
- adhesion to many substrates
- good resistance toward chemicals and ageing
- CR in general has good chemical stability and maintains lexibility over a wide temperature range
- hardness range 40 – 95 ShA



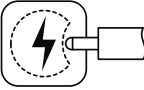
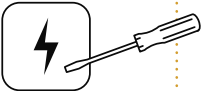

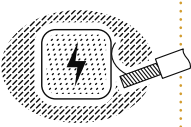
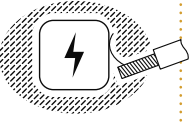
Q (Silicone)

- excellent resistance to weathering, ozone and UV exposure
- also provides excellent chemical resistance and good electrical properties
- resists oils as splash
- lame retardant grades UL 94 V-0
- standard hardnesses 25 ShA – 90ShA
- wide range of colours, easy to customize
- service temperature range -50 - +200°C

IP codes

First numeral






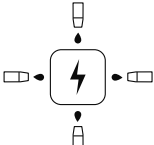
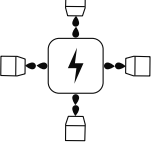


Protection against ingress of solid foreign objects

IP	Requirements	Example	Meaning protection of persons against access to hazardous parts with:
0	No protection		No protection provided
1	Full penetration of 50.0 mm diameter sphere not allowed and shall have adequate clearance from hazardous parts. Contact with hazardous parts not permitted		Back of hand
2	Full penetration of 12.5 mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts		Finger
3	The access probe of 2.5 mm diameter shall not penetrate		Tool
4	The access probe of 1.0 mm diameter shall not penetrate		Wire
5	Limited ingress of dust permitted (no harmful deposit, refer to standard)		Wire
6	Totally protected against ingress of dust		Wire

Second numeral

Protection against harmful ingress of water

Meaning for protection from ingress of water:

IP	Requirements	Example	Meaning for protection from ingress of water:
0	No protection		No protection provided
1	Protected against vertically falling drops of water		Vertically dripping
2	Protected against vertically falling drops of water with enclosure tilted 15° from the vertical.		Enclosure tilted 15° from the vertical
3	Protected against sprays to 60° from the vertical		Limited spraying
4	Protected against water splashed from all directions		Splashing from all directions
5	Protected against low pressure jets of water from all directions		Hosing jets from all directions
6	Protected against strong jets of water		Strong hosing jets from all directions
7	Protected against the effects of immersion between 15.0 cm and 1.0 m		Temporary immersion
8	Protected against longer periods of immersion under pressure		Immersion

Assembly

Step 1



Push the Multigate into a standard hole.

Step 2



Push either the plastic pins or metal bolts through the Multigate and the wall of the box.

Step 3



Drive the core with a hammer to lock the pin in place.

Step 4



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

Step 5



Push the cable or tube through the guide hole.

Step 6



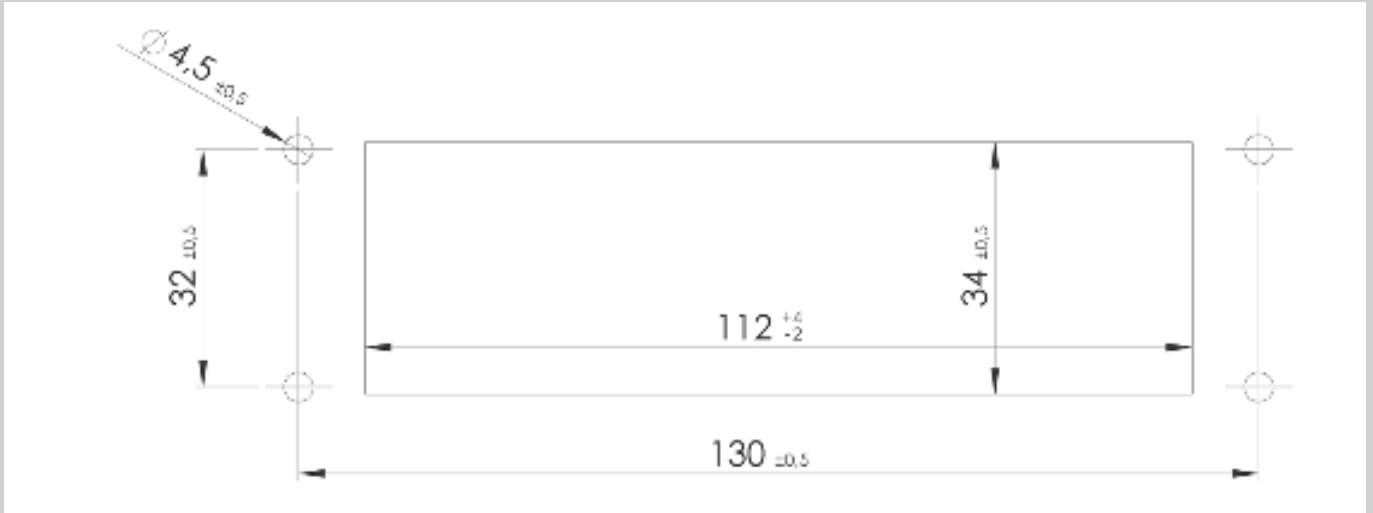
Pull the cable or tube back some 20 mm to lock it.

Assembly of Singlegates

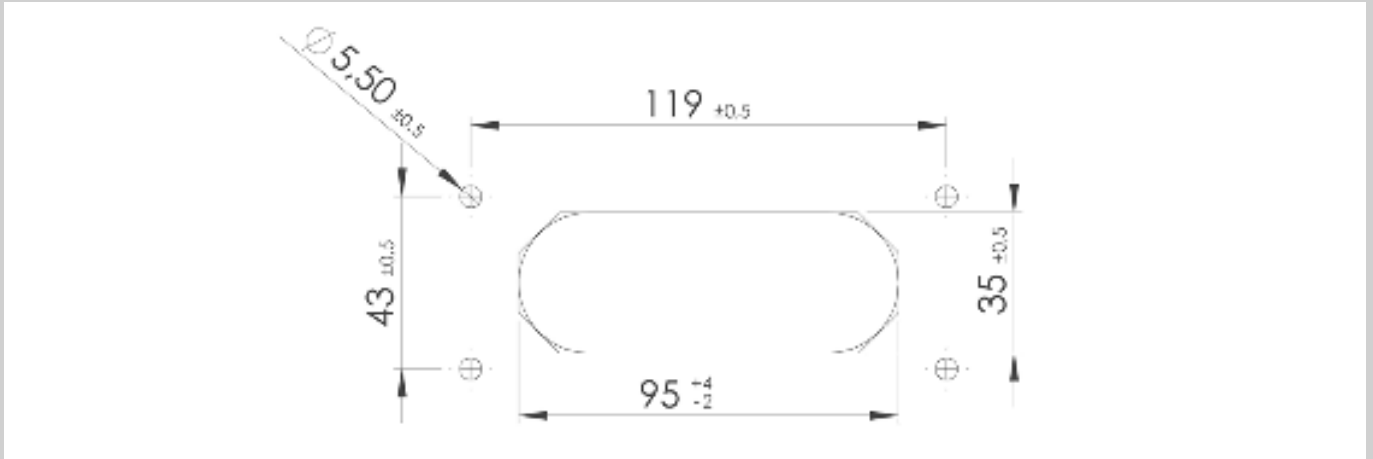


Fixing details

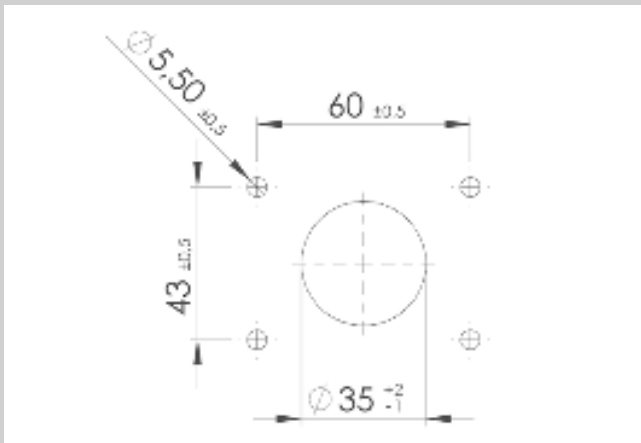
B 24



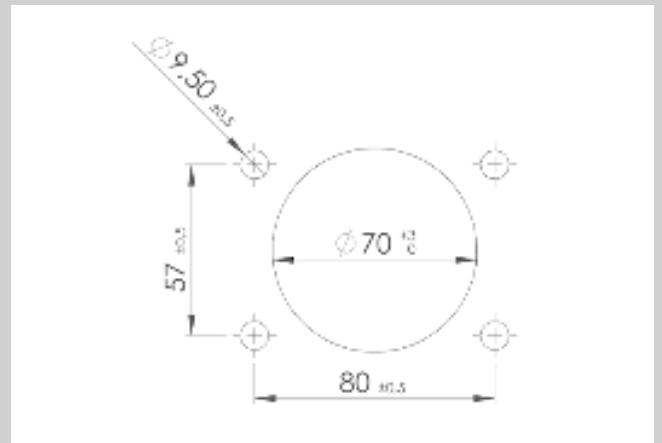
SCG 2



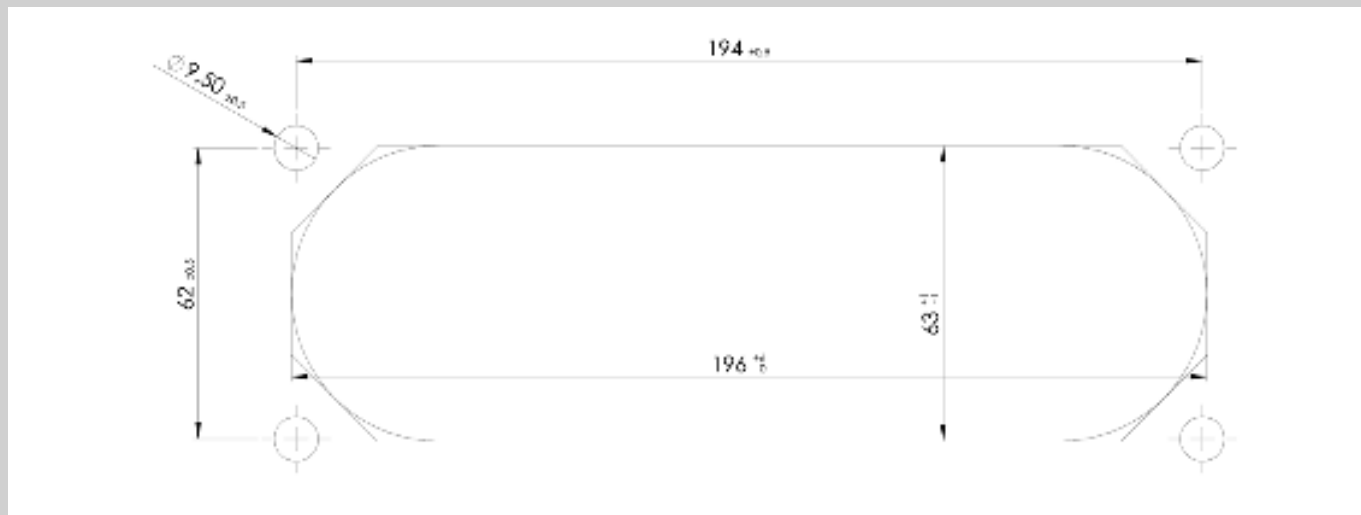
SCG 1



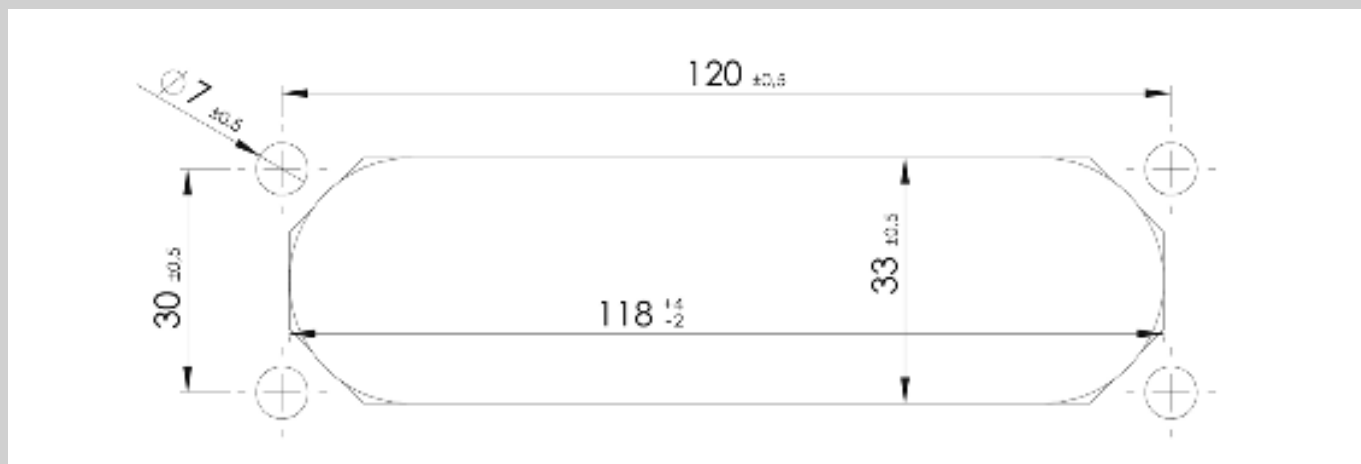
MC 1



FL 21

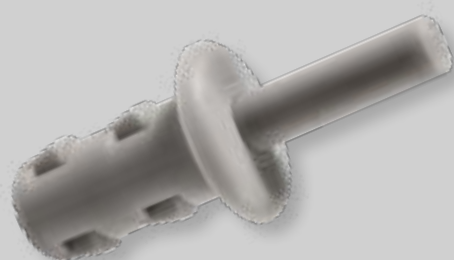


FL 13



Pin

Primarily used with MC 25 and MC 35 multigates for indoor applications.

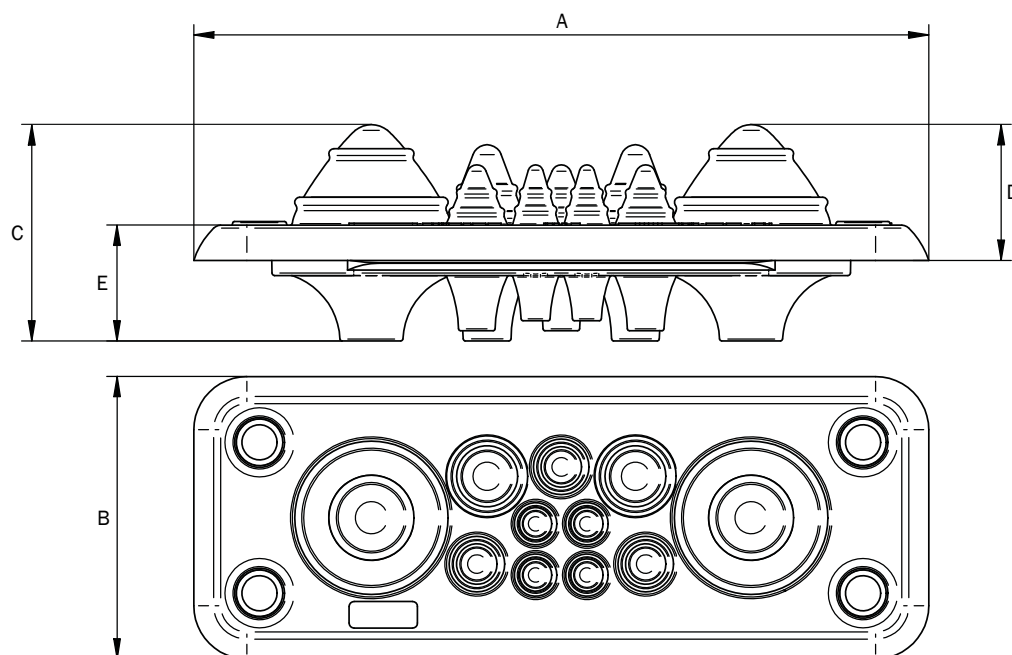


Nut and bolt

Always for outdoor and EMC applications or with large cable sizes, recommended torque 1,8 Nm.



Dimensions



IP66/67-series

Type	Width (A)	Length (B)	Height (C)	Depth 1 (D)	Depth 2 (E)
MC 3/7	222	92	76	53	33
MC 25/27	222	92	43	30	23
MC 35/37	222	92	43	30	23
MB 5/11	147	57	42	26	23

IP65-series

Type	Width (A)	Length (B)	Height (C)	Depth 1 (D)	Depth 2 (E)
MC 3	214	82	40	19	27
MC 25	216	84	27	15	21
MC 35	216	84	31	17	22

IP55 / IP54-series

Type	Width (A)	Length (B)	Height (C)	Depth 1 (D)	Depth 2 (E)
MC 10	216	84	48	45	12
MC 16	216	84	31	14	22
MB 4	138	48	32	32	7
LMC 14	222	92	52	52	10
LMC 25	222	92	30	30	10
LMC 51	222	92	30	30	10



We seal, damp and protect in demanding industrial environments.

Flexico is official distributor of Trelleborg Electrical Protection. We offer elastomer-based innovative custom designed solutions that address the demanding pass-thru and sealing needs of the global telecom, electron-ics, power and HVAC industries. We serve the customers with fast, high qual-ity product development and rapid prototyping.

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