

# Electrical protection



# SHAPED FOR YOUR SUCCESS



## We are shaped for your success

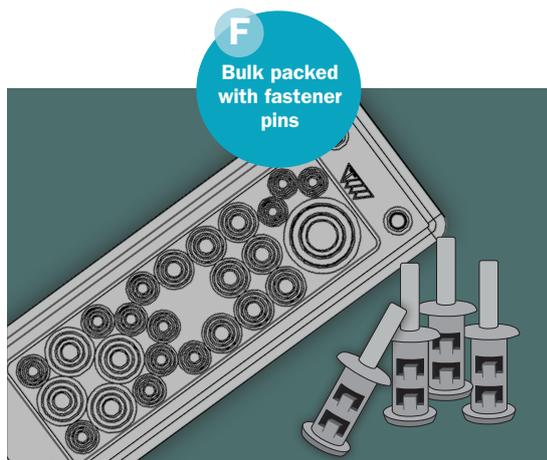
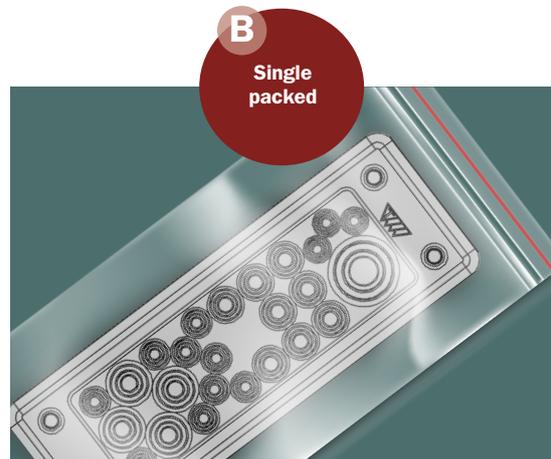
Trelleborg is a global manufacturer and subcontractor, specialized in a full range of high quality polymer solutions that seal, damp and protect in critical environments. Customers in industries such as telecom, waste water, electro technical, agriculture and food processing all benefit from our unrivalled combinations of broad product portfolio, leading-edge R&D, superior mould design, and global customer support.

We offer technical components in rubber, rubber to metal, silicone, TPE, TPU and plastic. Gaskets, cable glands and grommets are only a few examples of our total offering.

Our expertise and experience in rubber to metal bonding makes us a valued and preferred supplier to a vast number of companies and industries.

# Packing codes

Multigates are available with various packing options. Please see the coding in the pictures.



## Pin type 1

Primarily used with MC 25, MC 35 and LMC Multigates in indoor applications.



## Pin type 2

Can be used with RMC Multigates in indoor applications.



## Bolt and nut

Recommended when Multigate is used outdoors and when large diameter cables are used. Optimal torque level for installations is 1,8 Nm.





# MULTIGATES

**Multigates are metal or plastic reinforced cable gland plates for leading through low and medium power current cables as well as various types of tubing.**

They fit directly into standardized cut-outs and Multigates do not need any separate gaskets or seals. This makes them extremely easy to use, providing innumerable advantages such as fast assembly, high cable density, suitable for both indoor and outdoor use.

Multigates are made of various types of polymers. All these materials are RoHS approved and they have excellent weather resistance. Materials with flammability rating or increased oil resistance are available.



# Customized cable gland plate solutions

We frequently develop and design customized cable gland plate solutions for OEM customers in telecom-, electric- and electronic industry. Whether it is an EMC application, conductive, halogen-free and self-extinguishing materials, we can help you to the best solution.



We offer a comprehensive range of polymers from hard plastics to softer elastomers.





# FL 21 METAL

**This cut-out size is widely used especially in northern Europe. FL21 is commonly referred to as C size cut-out. Metal insert is used to reinforce the structure and it is made of zinc coated steel.**

**These membrane-based cable entry plates are designed to be used with cables without connectors, tubes and pneumatic or hydraulic hoses.**



# MC 3/7



### Advantages

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

### Technical Specifications

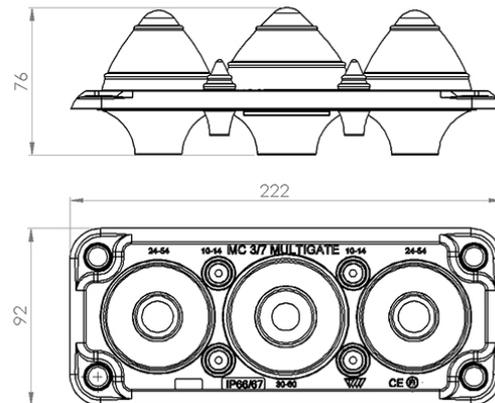
- IP rating: IP66 and IP67
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Black or Grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

### Installation Range (Ø)

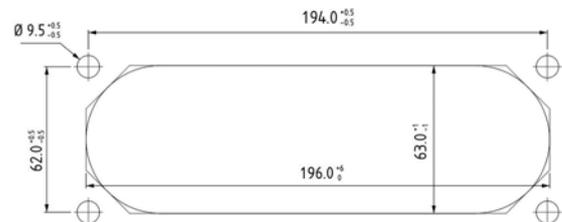
- 2 x 24mm - 54mm
- 1 x 30mm - 60mm
- 4 x 10mm - 14mm

Total of 7 cables

### Dimensions of MC 3/7



### Cut-out dimensions



B  
 Bulk packed

F  
 Single packed with fastener pins

C  
 Single packed with fastener pins

MC 3/7

FL21 cut-out

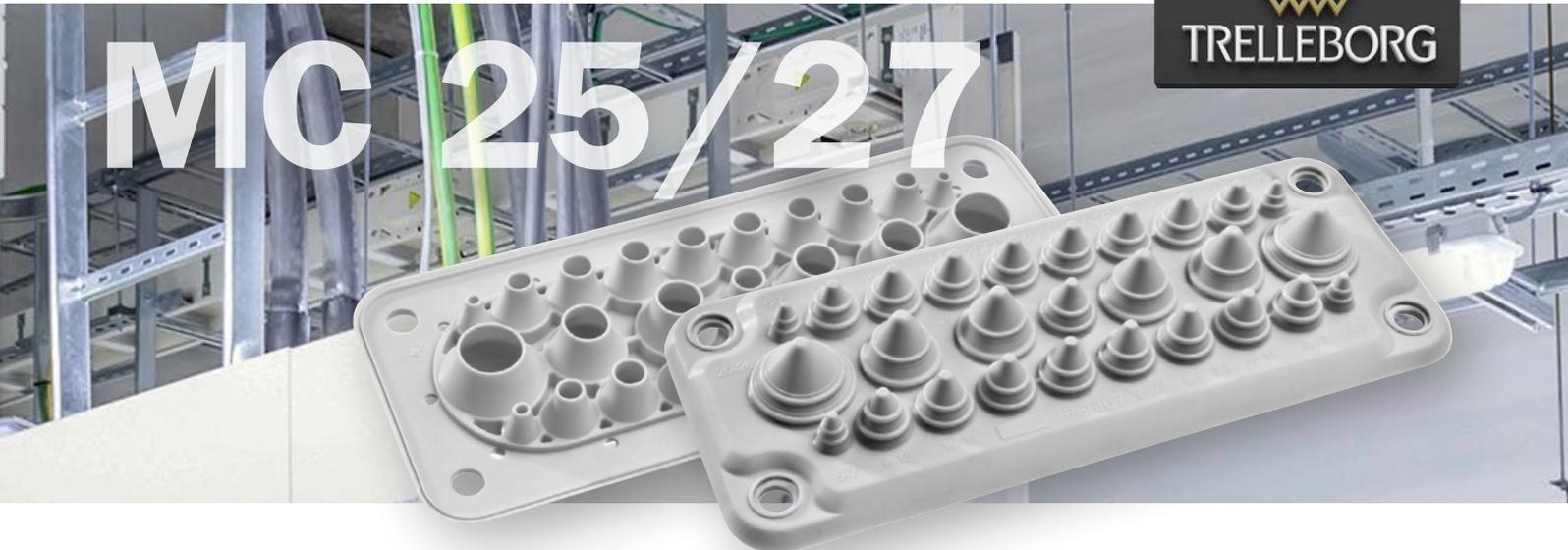
Single packed 40 pcs/box

Bulk packed 60 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
105041	MC 3/7 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	225
105041B	MC 3/7 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	225
103577	MC 3/7 LIGHT GREY	●	halogen-free	225
103577B	MC 3/7 LIGHT GREY	●	halogen-free	225
103576	MC 3/7 GREY	●	halogen-free	225
103576B	MC 3/7 GREY	●	halogen-free	225
103580	MC 3/7 BLACK V-0	●	UL94 V-0, self-extinguishing	225
103580B	MC 3/7 BLACK V-0	●	UL94 V-0, self-extinguishing	225



# MC 25/27



## Advantages

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

## Technical Specifications

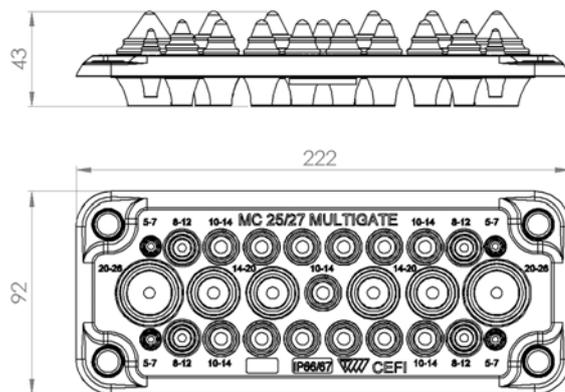
- IP rating: IP66 and IP67
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Black or Grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

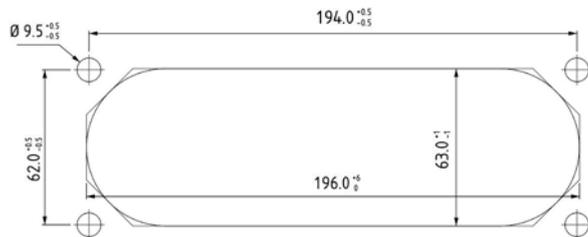
- 4 x 5mm - 7mm      4 x 14mm - 20mm
- 4 x 8mm - 12mm    2 x 20mm - 26mm
- 13 x 10mm - 14mm

Total of 27 cables

## Dimensions of MC 25/27



## Cut-out dimensions



B  
Bulk packed

F  
Single packed

C  
Bulk packed with fastener pins

C  
Single packed with fastener pins

MC 25/27

FL21 cut-out

Single packed 40 pcs/box

Bulk packed 60 pcs/box

Art.No.	Description	Packaging code	Material Properties	Weight (g)
105042	MC 25/27 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	220
105042B	MC 25/27 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	220
103584	MC 25/27 LIGHT GREY	●	halogen-free	215
103584B	MC 25/27 LIGHT GREY	●	halogen-free	215
103583	MC 25/27 GREY	●	halogen-free	215
103583B	MC 25/27 GREY	●	halogen-free	215
103586	MC 25/27 BLACK V-0	●	UL94 V-0, self-extinguishing	225
103586B	MC 25/27 BLACK V-0	●	UL94 V-0, self-extinguishing	225



# MC 35/37



### Advantages

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

### Technical Specifications

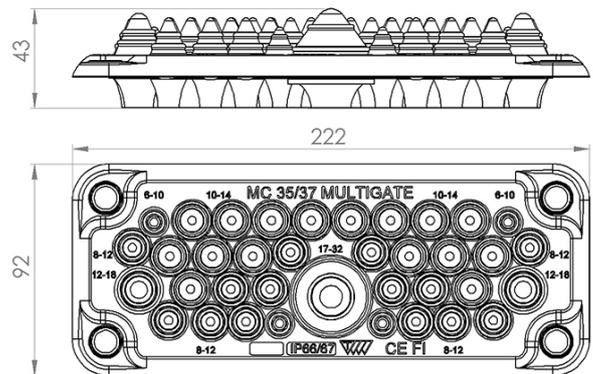
- IP rating: IP66 and IP67
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Black or Grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

### Installation Range (Ø)

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

Total of 37 cables

### Dimensions of MC 35/37



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MC 35/37	FL21 cut-out	Single packed 40 pcs/box	Bulk packed 60 pcs/box

### Cut-out dimensions



Art.No.	Description	Packaging code	Material Properties	Weight (g)
105043	MC 35/37 LIGHT GREY UL94V-0	●	UL94 V-0, self-extinguishing	240
105043B	MC 35/37 LIGHT GREY UL94V-0	●	UL94 V-0, self-extinguishing	240
103589	MC 35/37 LIGHT GREY	●	halogen-free	240
103589B	MC 35/37 LIGHT GREY	●	halogen-free	240
103588	MC 35/37 GREY	●	halogen-free	240
103588B	MC 35/37 GREY	●	halogen-free	240
103591	MC 35/37 BLACK V-0	●	UL94 V-0, self-extinguishing	240
103591B	MC 35/37 BLACK V-0	●	UL94 V-0, self-extinguishing	240



# MC 3



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use

## Technical Specifications

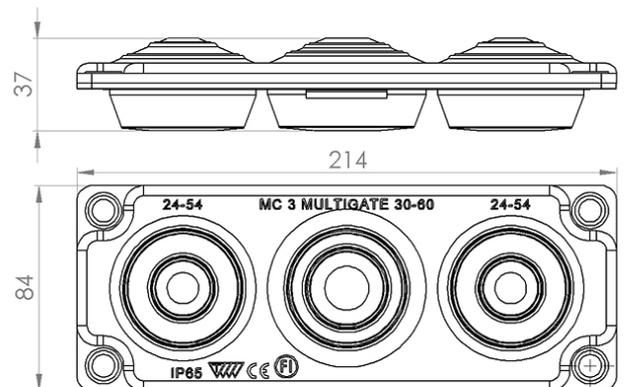
- IP rating: IP65
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Black or grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

- 4 x 8mm - 12mm
- 2 x 24mm - 54mm
- 1 x 30mm - 60mm

Total of 7 cables

## Dimensions of MC 3



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MC 3</b>	<b>FL21 cut-out</b>	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
100234F	MC 3 LIGHT GREY	●	halogen-free	200
100234C	MC 3 LIGHT GREY	●	halogen-free	200
100235	MC 3 BLACK V-0	●	UL94 V-0, self-extinguishing	215
100235B	MC 3 BLACK V-0	●	UL94 V-0, self-extinguishing	215
100233F	MC 3 GREY	●	halogen-free	205
100233C	MC 3 GREY	●	halogen-free	205



# MC 10



## Advantages

- Fast and easy assembly
- High cable density
- Screw mounting
- Suitable for both indoor and outdoor use

## Technical Specifications

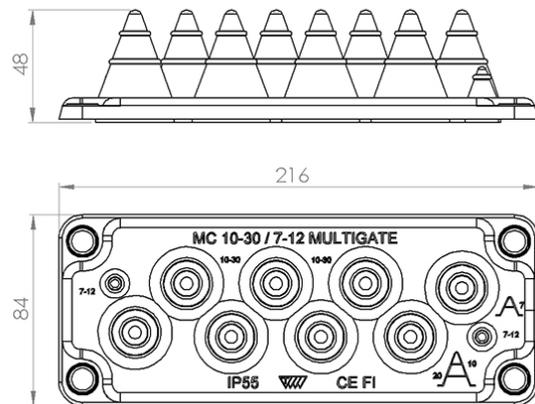
- IP rating: IP55
- Material: Thermoplastic elastomer (TPE)
- Colour: Light grey
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

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

**Total of 10 cables**

## Dimensions of MC 10



## Cut-out dimensions



B  
 Bulk packed

F  
 Single packed

C  
 Bulk packed with fastener pins

A  
 Single packed with fastener pins

MC 10

FL21 cut-out

Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
103552	MC 10 LIGHT GREY UL94 V-0	●	UL94 V-0	205



# MC 25



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use

## Technical Specifications

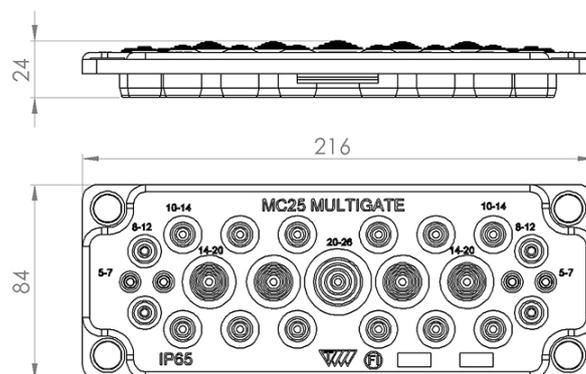
- IP rating: IP65
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Black or grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

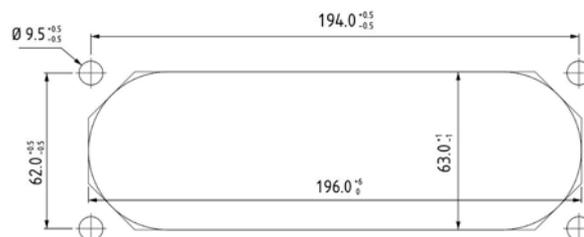
- 4 x 5mm - 7mm      4 x 14mm - 22mm
- 4 x 8mm - 12mm    1 x 20mm - 26mm
- 12 x 10mm - 14mm

Total of 25 cables

## Dimensions of MC 25



## Cut-out dimensions

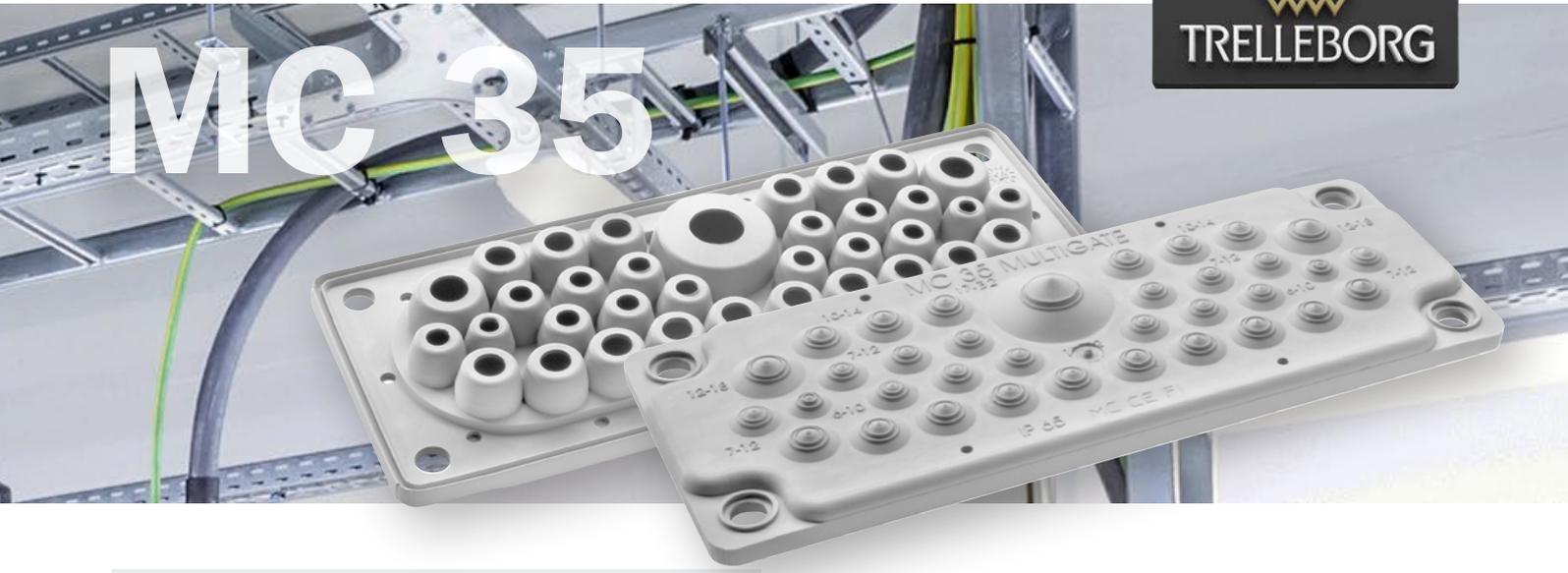


<b>A</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MC 25</b>	<b>FL21 cut-out</b>	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
100238F	MC 25 LIGHT GREY	<span style="color: #00AEEF;">●</span>	halogen-free	215
100238C	MC 25 LIGHT GREY	<span style="color: #003366;">●</span>	halogen-free	215
100239	MC 25 BLACK V-0	<span style="color: #333333;">●</span>	UL94 V-0, self-extinguishing	215
100239B	MC 25 BLACK V-0	<span style="color: #990000;">●</span>	UL94 V-0, self-extinguishing	215
100237F	MC 25 GREY	<span style="color: #00AEEF;">●</span>	halogen-free	235
100237C	MC 25 GREY	<span style="color: #003366;">●</span>	halogen-free	215



# MC 35



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use

## Technical Specifications

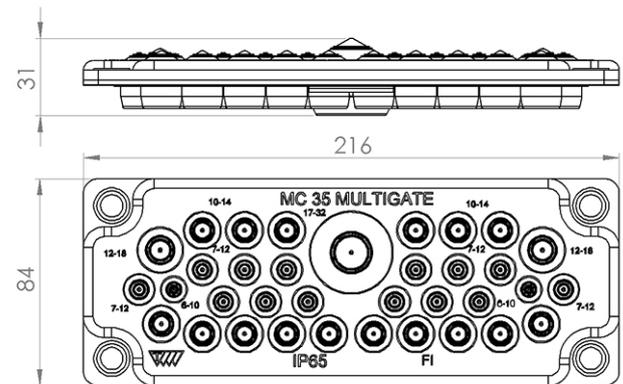
- IP rating: IP65
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Black or grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

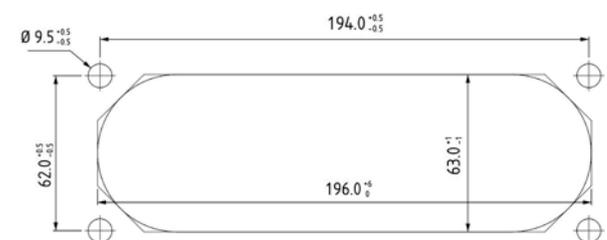
- 2 x 6mm - 10mm      2 x 12mm - 18mm
- 14 x 7mm - 12mm    1 x 17mm - 32mm
- 16 x 10mm - 14mm

Total of 35 cables

## Dimensions of MC 35



## Cut-out dimensions



B  
 Bulk packed

F  
 Single packed  
with fastener pins

C  
 Single packed with fastener pins

A  
 Single packed

MC 35

FL21 cut-out

Single packed  
80 pcs/box

Bulk packed  
100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
100244F	MC 35 LIGHT GREY	●	halogen-free	225
100244C	MC 35 LIGHT GREY	●	halogen-free	225
100245	MC 35 BLACK V-0	●	UL94 V-0, self-extinguishing	240
100245B	MC 35 BLACK V-0	●	UL94 V-0, self-extinguishing	240
100243F	MC 35 GREY	●	halogen-free	225
100243C	MC 35 GREY	●	halogen-free	225

# LMC 14



## Advantages

- Fast and easy assembly
- High cable density
- Suitable for both indoor and outdoor use

## Technical Specifications

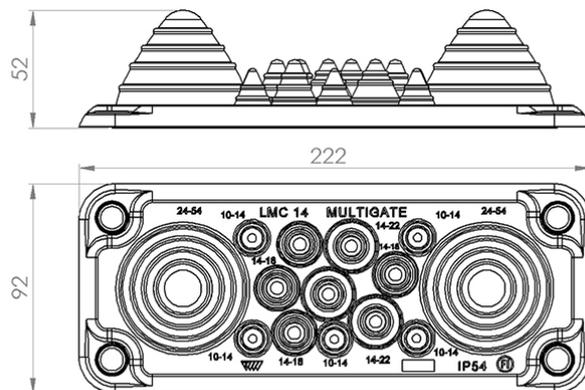
- IP rating: IP54
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Light grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

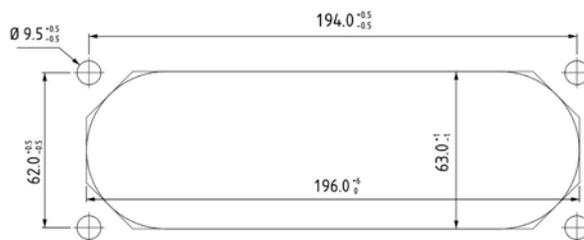
- 5 x 10mm - 14mm      3 x 14mm - 22mm
- 4 x 14mm - 18mm      2 x 24mm - 54mm

Total of 14 cables

## Dimensions of LMC 14



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
LMC 14	FL21 cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
104338	LMC 14 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	200
104338B	LMC 14 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	200
105002F	LMC 14 LIGHT GREY	●	halogen-free	185
105002C	LMC 14 LIGHT GREY	●	halogen-free	185



# LMC 25



## Advantages

- Fast and easy assembly
- High cable density
- Screw mounting
- Suitable for both indoor and outdoor use

## Technical Specifications

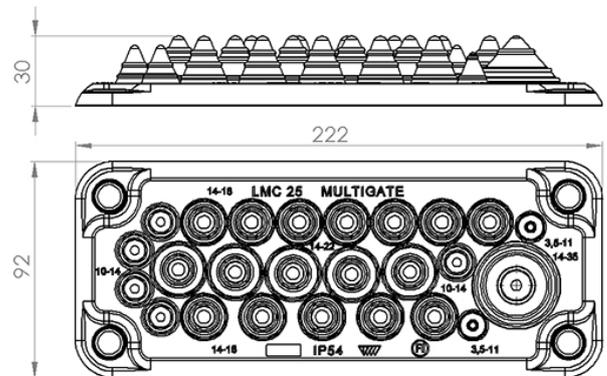
- IP rating: IP54
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Light grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

- 2 x 3mm - 11mm
- 5 x 14mm - 22mm
- 5 x 10mm - 14mm
- 1 x 14mm - 35mm
- 12 x 14mm - 18mm

Total of 25 cables

## Dimensions of LMC 25



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>LMC 25</b>	<b>FL21 cut-out</b>	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
104335	LMC 25 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	205
104335B	LMC 25 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	205
105003F	LMC 25 LIGHT GREY	●	halogen-free	205
105003C	LMC 25 LIGHT GREY	●	halogen-free	205



# LMC 35



## Advantages

- Fast and easy assembly
- High cable density
- Screw mounting
- Suitable for both indoor and outdoor use

## Technical Specifications

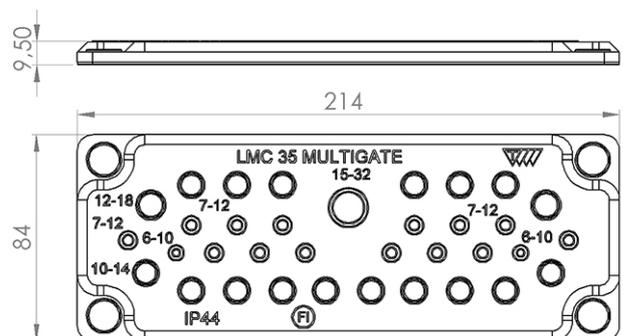
- IP rating: IP44
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Light grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

- 2 x 6mm - 11mm
- 2 x 12mm - 18mm
- 14 x 7mm - 12mm
- 1 x 15mm - 32mm
- 16 x 10mm - 14mm

Total of 35 cables

## Dimensions of LMC 35



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
LMC 35	FL21 cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
100241	LMC 35 LIGHT GREY	●	halogen-free	180



# LMC 51



## Advantages

- Fast and easy assembly
- High cable density
- Screw mounting
- Suitable for both indoor and outdoor use

## Technical Specifications

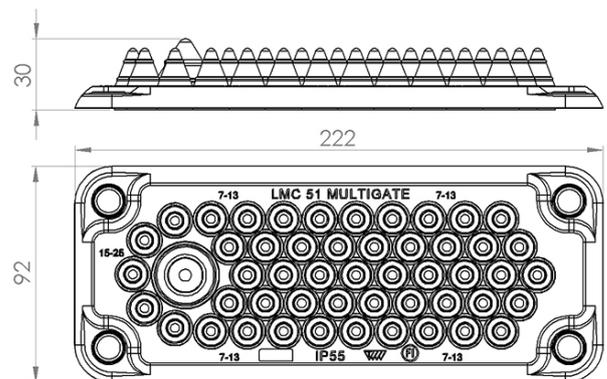
- IP rating: IP55
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Light grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (∅)

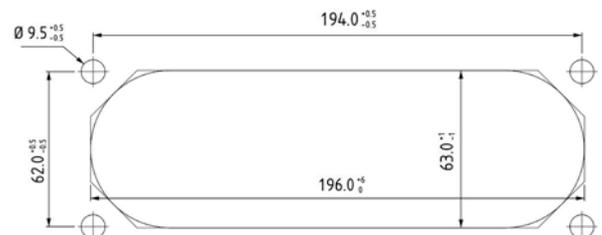
50 x 7mm - 13mm  
1 x 15mm - 25mm

**Total of 51 cables**

## Dimensions of LMC 51



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
LMC 51	FL21 cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packaging Unit	Material Properties	Weight (g)
104344	LMC 51 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	210
104344B	LMC 51 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	210
105004F	LMC 51 LIGHT GREY	●	halogen-free	210
105004C	LMC 51 LIGHT GREY	●	halogen-free	210



# MC 4



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use

## Technical Specifications

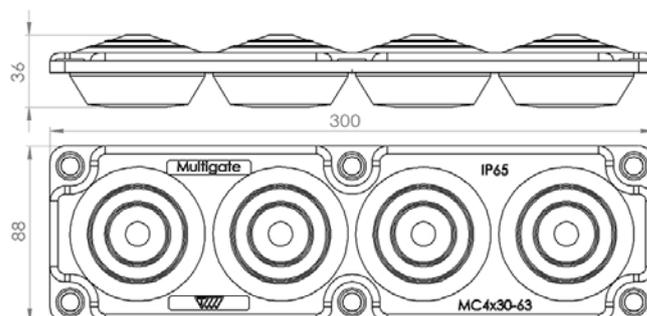
- IP rating: IP65
- Material: Thermoplastic elastomer
- Metal reinforcement: stainless steel
- Colour: Black
- Material self-extinguishing
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

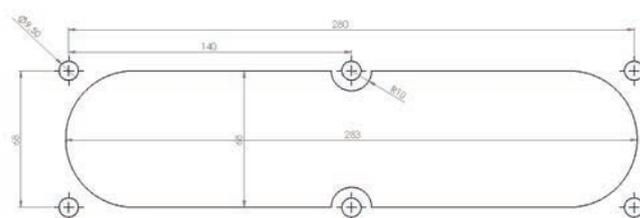
4 x 30mm - 63mm

**Total of 4 cables**

## Dimensions of cable entry plates



## Dimensions of mounting hole



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MC 4</b>	Special cut-out	Stainless steel	Bulk packed 50 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
103888	MC 4x30-63 BLACK UL94 V-0	●	UL94 V-0, self-extinguishing	316



# FL 21 PLASTIC

This cut-out size is widely used especially in northern Europe. FL21 is commonly referred to as C size cut-out. Reinforced plastic insert is made robust, yet lightweight.

These membrane-based cable entry plates are designed to be used with cables without connectors, tubes and pneumatic or hydraulic hoses.



# RMC 3



## Advantages

- Sealing rings can easily be pulled off without extra tools to make RMC perfectly fit various cable sizes making the installation very fast

## Technical Specifications

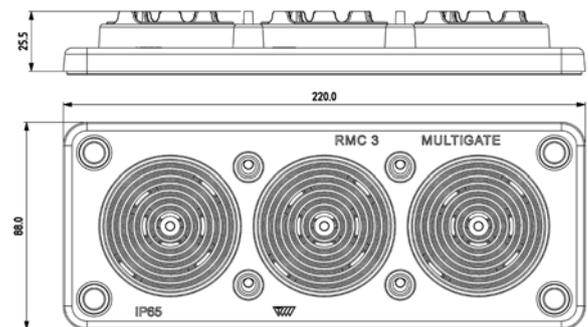
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: black and light grey
- Standard M8 bolts used for mounting
- IP rating: IP65
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C

## Installation Range (∅)

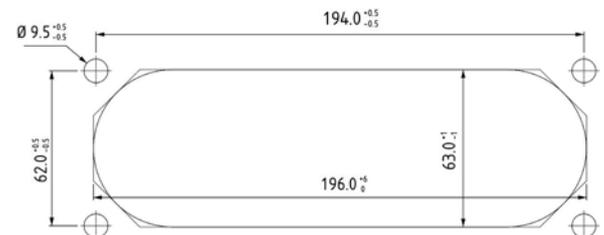
- 4 x 7mm - 10mm
- 3 x 12mm - 57mm

**Total of 7 cables**

## Dimensions of RMC 3



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>RMC 3</b>	<b>FL21 cut-out</b>	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
107360	RMC 3 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	135
107360B	RMC 3 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	135
107443	RMC 3 LIGHT GREY	●	halogen-free	135
107443B	RMC 3 LIGHT GREY	●	halogen-free	135
107444	RMC 3 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	135
107444B	RMC 3 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	135



# RMC 17



## Advantages

- Sealing rings can easily be pulled off without extra tools to make RMC perfectly fit various cable sizes making the installation very fast

## Technical Specifications

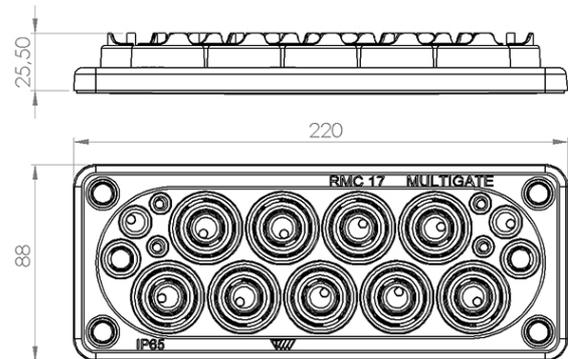
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Standard M8 bolts used for mounting
- Colour: black and light grey
- IP rating: IP65
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C

## Installation Range (Ø)

- 4 x 5mm - 7mm      9 x 10mm - 30mm
- 2 x 10mm - 12mm
- 2 x 12mm - 15mm

Total of 17 cables

## Dimensions of RMC 17



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>RMC 17</b>	<b>FL21 cut-out</b>	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
107421	RMC 17 LIGHT GREY	●	halogen-free	135
107421B	RMC 17 LIGHT GREY	●	halogen-free	135
108424	RMC 17 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	135
108424B	RMC 17 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	135
106998	RMC 17 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	135
106998B	RMC 17 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	135



# MC 16



## Advantages

- Fast and easy assembly
- High cable density
- Optimal for leading through tubes
- Suitable for both indoor and outdoor use

## Technical Specifications

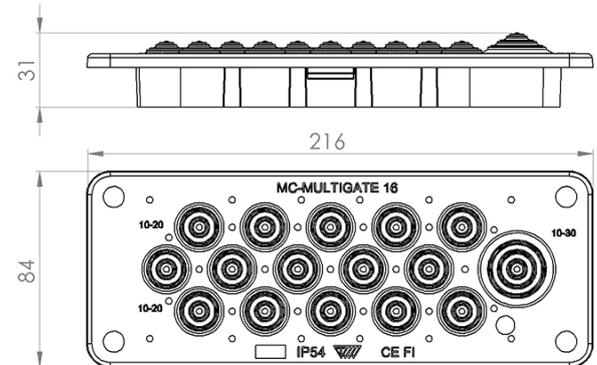
- IP rating: IP55
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey
- Temperature: -40°C...+100°C
- Properties: Halogen-free, Silicone-free
- Mounting type: Screw type mounting
- Diam. of screw holes: 9.5 mm

## Installation Range (Ø)

15 x 10mm - 20mm  
1 x 10mm - 30mm

**Total of 16 cables**

## Dimensions of MC 16



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MC 16</b>	<b>FL21 cut-out</b>	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
100084F	MC 16 LIGHT GREY	<span style="color: red;">●</span>	halogen-free	120
100084C	MC 16 LIGHT GREY	<span style="color: blue;">●</span>	halogen-free	120



# FL 13 METAL

**This cut-out size is used especially in northern Europe. FL13 is commonly referred to as B size cut-out. Metal insert is used to reinforce the structure and it is made of zinc coated steel.**

**These membrane-based cable entry plates are designed to be used with cables without connectors, tubes and pneumatic or hydraulic hoses.**



# MB 4/10



## Advantages

- Fast and easy assembly
- High cable density
- Screw mounting
- Suitable for both indoor and outdoor use

## Technical Specifications

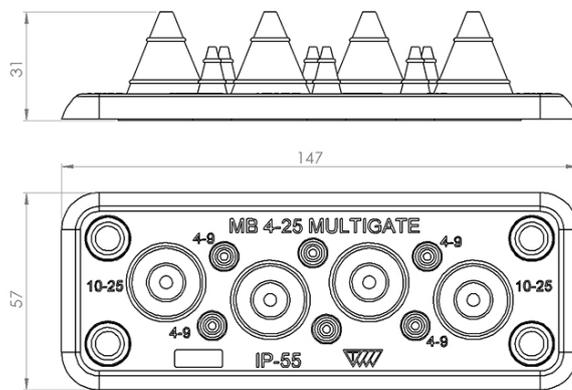
- IP rating: IP55
- Material: Thermoplastic elastomer (TPE)
- Colour: Grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Properties: Halogen-free, Silicone-free
- Mounting type: Screw type mounting
- Diam. of screw holes: 7 mm

## Installation Range (Ø)

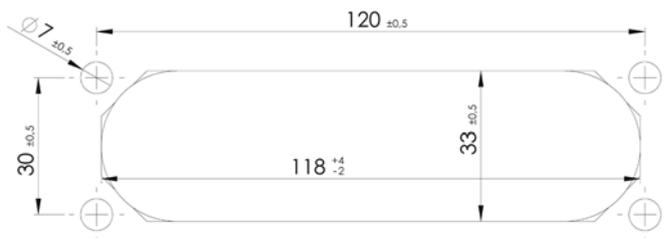
- 2 x 7mm - 12mm
- 8 x 10mm - 30mm

**Total of 10 cables**

## Dimensions of MB 4/10



## Cut-out dimensions



<b>A</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MB 4/10</b>	<b>FL13 cut-out</b>	Single packed 100 pcs/box	Bulk packed 200 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
105954	MB 4/10 LIGHT GREY UL94 V-0	●	UL94 V-0	75



# MB 5/11



### Advantages

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

### Technical Specifications

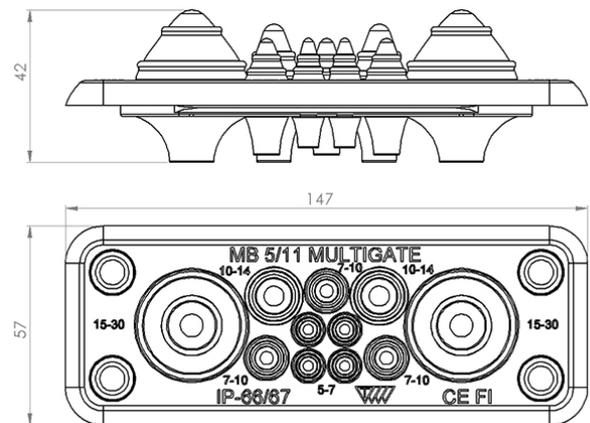
- IP rating: IP66 and IP67
- Material: Thermoplastic elastomer
- Metal reinforcement: zinc coated steel
- Colour: Grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C
- Mounting type: Screw type mounting
- Diam. of screw holes: 7 mm

### Installation Range (Ø)

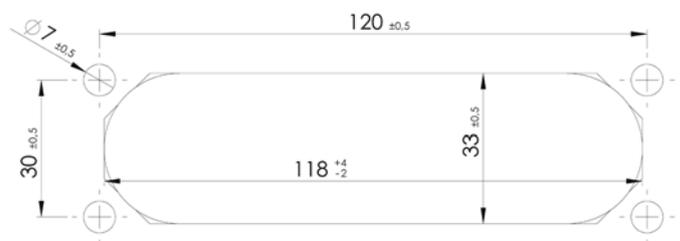
- 4 x 5mm - 7mm      2 x 10mm - 14mm
- 3 x 7mm - 10mm    2 x 15mm - 30mm

**Total of 11 cables**

### Dimensions of MB 5/11



### Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MB 5/11</b>	<b>FL13 cut-out</b>	Single packed 100 pcs/box	Bulk packed 200 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
105044	MB 5/11 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	85
105044B	MB 5/11 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	85
103608	MB 5/11 LIGHT GREY	●	halogen-free	95
103608B	MB 5/11 LIGHT GREY	●	halogen-free	95
103607	MB 5/11 GREY	●	halogen-free	95
103607B	MB 5/11 GREY	●	halogen-free	95



# INDUSTRIAL CONNECTOR CUT-OUT

The cable entries in this “industrial connector series” match the cut-out dimensions of 10, 16 and 24-pin standards. They have been designed as an entry and fastening system for unassembled cables, tubes and hoses. These high cable density entries enable fast routing of cables into control cabinets, panels or machines.



# MH 24 F 17-2



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

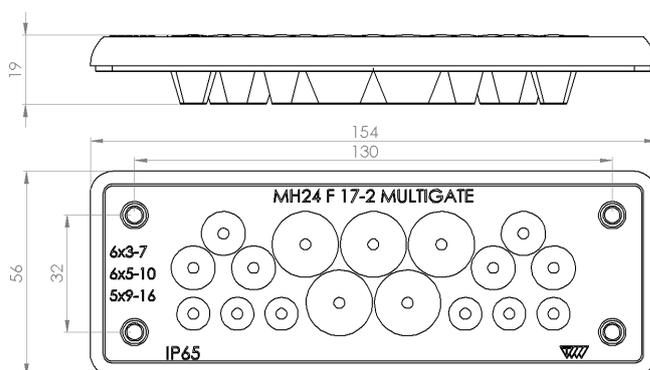
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4.5 mm

## Installation Range (∅)

- 6 x 3mm - 7mm
- 6 x 5mm - 10mm
- 5 x 9mm - 16mm

**Total of 11 cables**

## Dimensions of MH 24 F 17-2



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 24 F17-2	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

## Cut-out dimensions



Art.No.	Description	Packing code	Material Properties	Weight (g)
107296B	MH-24 F 17-2 LIGHT GREY V-0	●	UL94 V-0, halogen-free	65
107296	MH-24 F 17-2 LIGHT GREY V-0	●	UL94 V-0, halogen-free	65
107291B	MH-24 F 17-2 BLACK V-0	●	UL94 V-0, halogen-free	65
107291	MH-24 F 17-2 BLACK UL94 V-0	●	UL94 V-0, halogen-free	65



# MH 24 F 17-3



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

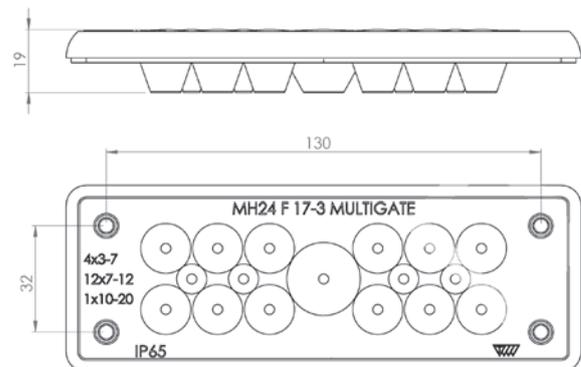
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4,5 mm

## Installation Range (Ø)

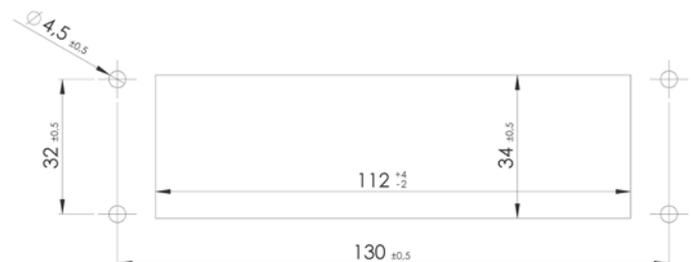
- 4 x 3mm - 7mm
- 12 x 7mm - 20mm
- 1 x 10mm - 20mm

**Total of 17 cables**

## Dimensions of MH 24 F 17-3



## Cut-out dimensions

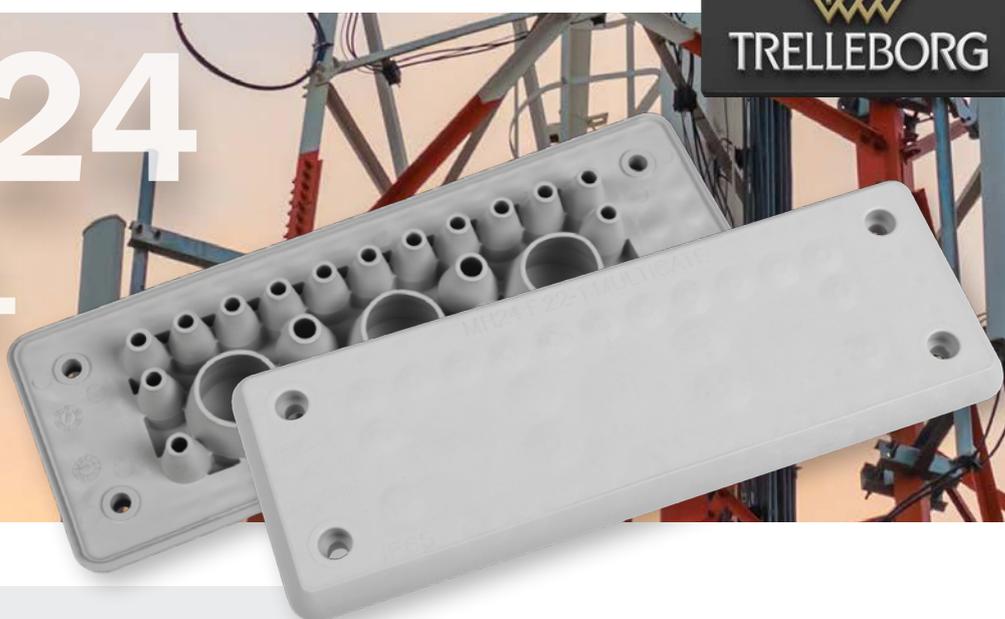


<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 24 F17-3	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
107466B	MH-24 F 17-3 LIGHT GREY V-0	●	UL94 V-0, halogen-free	70
107466	MH-24 F 17-3 LIGHT GREY V-0	●	UL94 V-0, halogen-free	70
107472B	MH-24 F 17-3 BLACK V-0	●	UL94 V-0, halogen-free	70
107472	MH-24 F 17-3 BLACK UL94 V-0	●	UL94 V-0, halogen-free	70



# MH 24 F 22-1



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

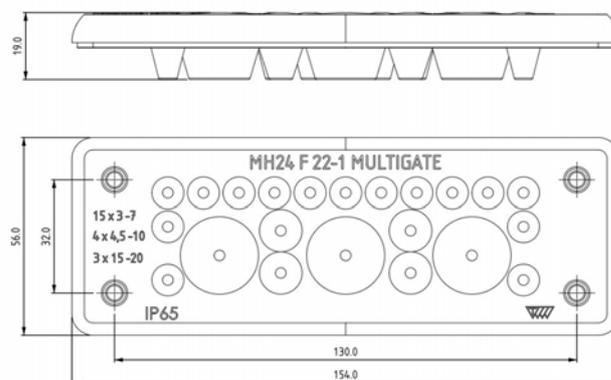
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4,5 mm

## Installation Range (Ø)

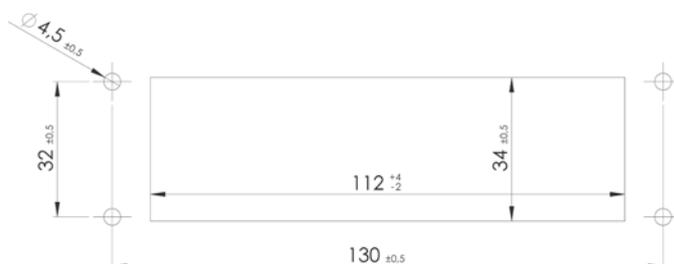
- 15 x 3mm - 7mm
- 4 x 4,5mm - 10mm
- 3 x 15mm - 20mm

**Total of 22 cables**

## Dimensions of MH 24 F 22-1



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 24 F22-1	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
107481B	MH-24 F 22-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	65
107481	MH-24 F 22-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	65
107513B	MH-24 F 22-1 BLACK V-0	●	UL94 V-0, halogen-free	65
107513	MH-24 F 22-1 BLACK V-0	●	UL94 V-0, halogen-free	65



# MH 24 F 27-1



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

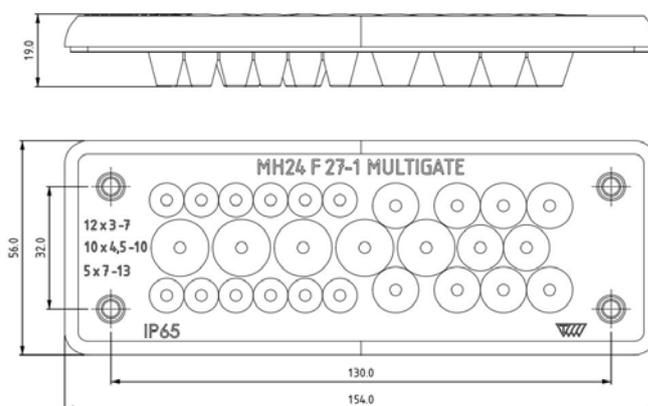
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4,5 mm

## Installation Range (Ø)

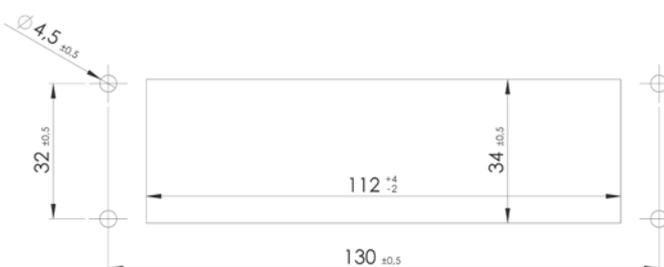
- 12 x 3mm - 7mm
- 10 x 4,5mm - 10mm
- 5 x 7mm - 13mm

**Total of 27 cables**

## Dimensions of MH 24 F 27-1



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 24 F27-1	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
107480B	MH-24 F 27-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	70
107480	MH-24 F 27-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	70
107512B	MH-24 F 27-1 BLACK V-0	●	UL94 V-0, halogen-free	70
107512	MH-24 F 27-1 BLACK V-0	●	UL94 V-0, halogen-free	70



# MH 24 F 30-1



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

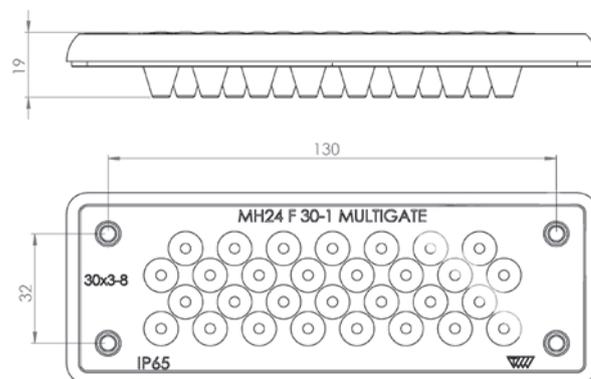
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4,5 mm

## Installation Range (Ø)

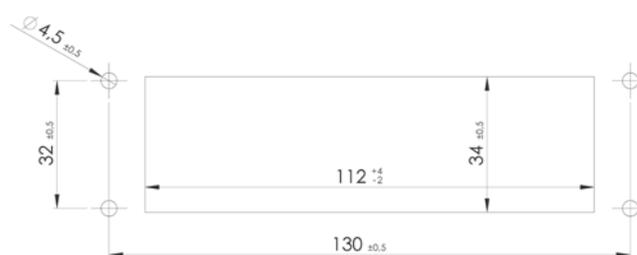
30 x 3mm - 8mm

**Total of 30 cables**

## Dimensions of MH 24 F 30-1



## Cut-out dimensions



<b>A</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 24 F30-1	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
107465B	MH-24 F 30-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	75
107465	MH-24 F 30-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	75
107471B	MH-24 F 30-1 BLACK V-0	●	UL94 V-0, halogen-free	75
107471	MH-24 F 30-1 BLACK V-0	●	UL94 V-0, halogen-free	75



# MH 16 F 17-1



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

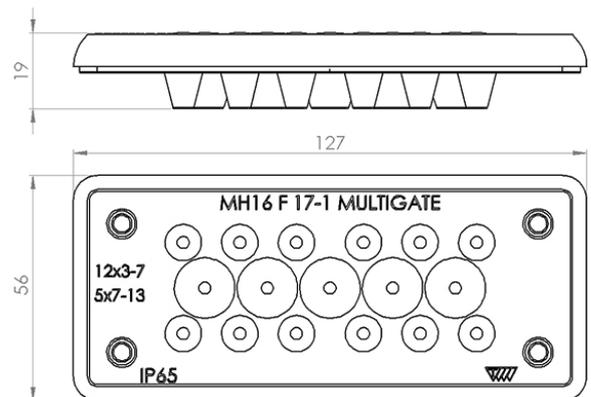
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4,5 mm

## Installation Range (Ø)

12 x 3mm - 7mm  
5 x 7mm - 13mm

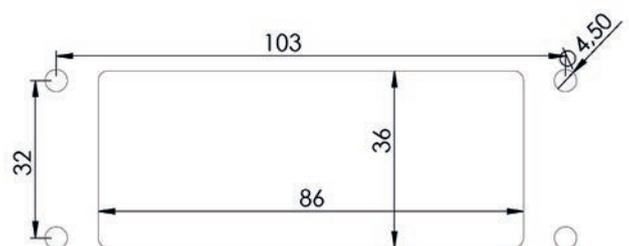
**Total of 17 cables**

## Dimensions of MH 16 F 17-1



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 10 F17-1	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

## Cut-out dimensions



Art.No.	Description	Packing code	Material Properties	Weight (g)
107295B	MH-16 F 17-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	60
107295	MH-16 F 17-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	60
107292B	MH-16 F 17-1 BLACK V-0	●	UL94 V-0, halogen-free	60
107292	MH-16 F 17-1 BLACK V-0	●	UL94 V-0, halogen-free	60



# MH 10 F 12-1



## Advantages

- Fast and easy assembly
- High cable density
- Double sealing with high IP protection
- Hygienic design with a flat surface structure
- Suitable for both indoor and outdoor use

## Technical Specifications

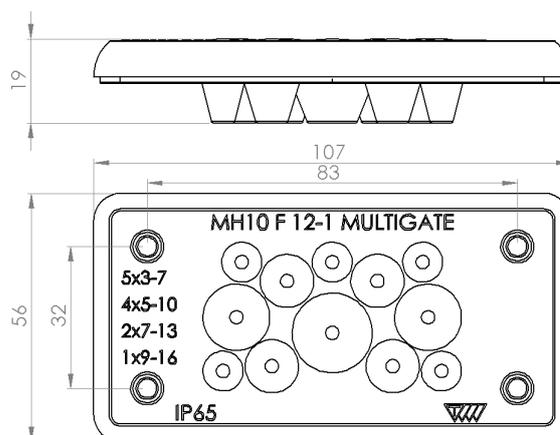
- IP rating: IP65
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: light grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 4,5 mm

## Installation Range (Ø)

5 x 3mm - 7mm	2 x 7mm - 13mm
4 x 5mm - 10mm	1 x 9mm - 16mm

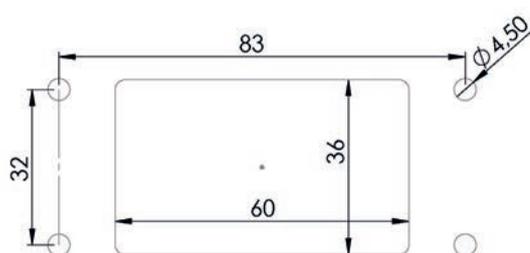
**Total of 12 cables**

## Dimensions of MF 10 F 12-1



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MH 10 F12-1	Industrial connector cut-out	Single packed 80 pcs/box	Bulk packed 100 pcs/box

## Cut-out dimensions



Art.No.	Description	Packing code	Material Properties	Weight (g)
107294B	MH-10 F 12-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	50
107294	MH-10 F 12-1 LIGHT GREY V-0	●	UL94 V-0, halogen-free	50
107293B	MH-10 F 12-1 BLACK V-0	●	UL94 V-0, halogen-free	50
107293	MH-10 F 12-1 BLACK V-0	●	UL94 V-0, halogen-free	50



# SPLITTING MULTIGATES

Often cables come with connectors that cannot be removed and re-attached. Trelleborg splitting multigates are a solution that allows the cables be installed with the connectors, and on top of that, the cables can be changed as often as wanted.



# Splitting gland plates for cables with attached connectors



An ideal solution for cables with pre-attached connectors. Quick assembly with minimal tools.





# MC 2x8-64



## Advantages

- Can be used with pre-terminated cables
- Robust design
- Good strain relief
- Suitable for both indoor and outdoor use

## Technical Specifications

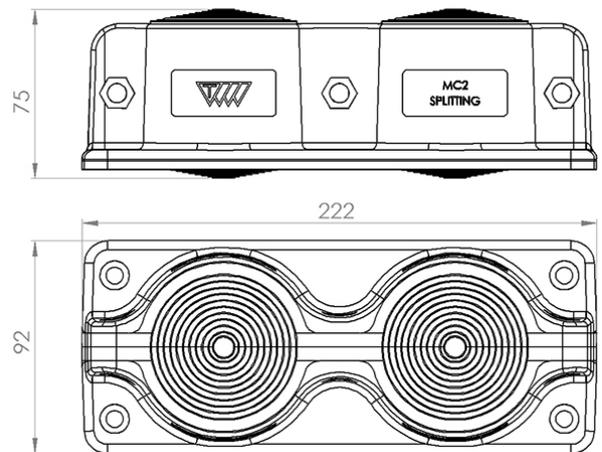
- IP rating: IP55
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 9 mm

## Installation Range (Ø)

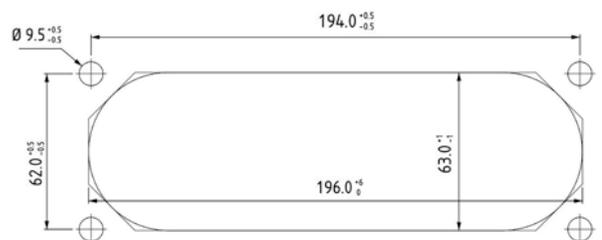
2 x 8mm - 64mm

**Total of 2 cables**

## Dimensions of MC 2x8-64



## Dimensions of mounting hole FL21



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MC 2x8-64	Splitting multigates	Bulk packed 10 pcs/box	

Art.No.	Description	Packing code	Material Properties	Weight (g)
100074	MC 2x8-64 SPLITTING GROMMET UL94 V-0	●	UL94 V-0, self-extinguishing	1090
106633	MC 2x8-64 SPLITTING	●	halogen-free	945



MC 2/10  
MC 2/18



**Advantages**

- Can be used with pre-terminated cables
- Robust design
- Good strain relief
- Suitable for both indoor and outdoor use

**Technical Specifications**

- IP rating: IP55
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 9 mm

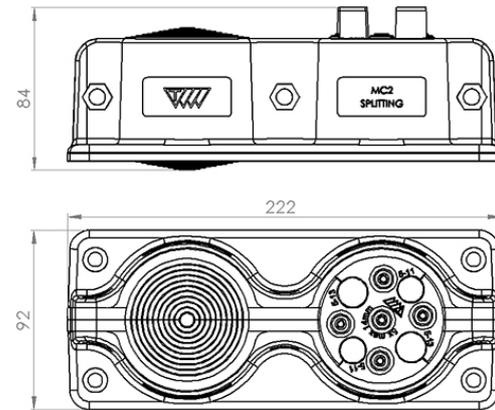
**Installation Range (Ø)**

- |                |                 |
|----------------|-----------------|
| 5 x 1mm - 14mm | 10 x 1mm - 14mm |
| 2 x 5mm - 13mm | 4 x 5mm - 11mm  |
| 2 x 5mm - 11mm | 4 x 5mm - 13mm  |
| 1 x 8mm - 67mm |                 |

**Total of 10 cables**

**Total of 18 cables**

**Dimensions of MC 2/10**



**Cut-out dimensions**



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
MC 2/10 MC 2/18	Splitting multigates	Bulk packed 10 pcs/box	

Art.No.	Description	Packing code	Material Properties	Amount of Cable lead troughs	Weight (g)
106618	MC 2/10 SPLITTING UL94 V-0	●	UL94 V-0, self-extinguishing	10	1090
106619	MC 2/18 SPLITTING UL94 V-0	●	UL94 V-0, self-extinguishing	18	1090



# MC 1x8-64



## Advantages

- Can be used with pre-terminated cables
- Robust design
- Good strain relief
- Suitable for both indoor and outdoor use

## Technical Specifications

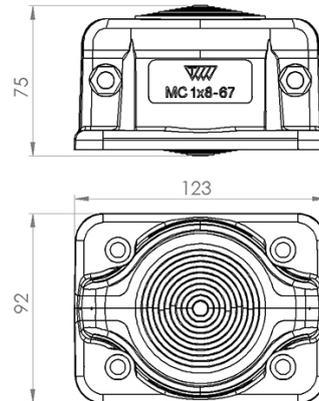
- IP rating: IP55
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 9 mm

## Installation Range (Ø)

1 x 8mm - 64mm

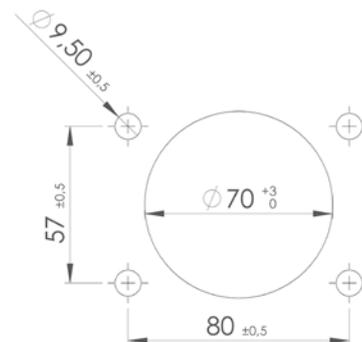
**Total of 1 cable**

## Dimensions of MC 1x8-64



<b>A</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MC 1x8-64</b>	Splitting multigates	Bulk packed 20 pcs/box	

## Cut-out dimensions



Art.No.	Description	Packing code	Material Properties	Weight (g)
106582	MC 1 8-64 SPLITTING UL94 V-0	●	UL94 V-0, self-extinguishing	570
106692	MC 1 8-64 SPLITTING	●	halogen-free	495



### Advantages

- Can be used with pre-terminated cables
- Robust design
- Suitable for both indoor and outdoor use

### Technical Specifications

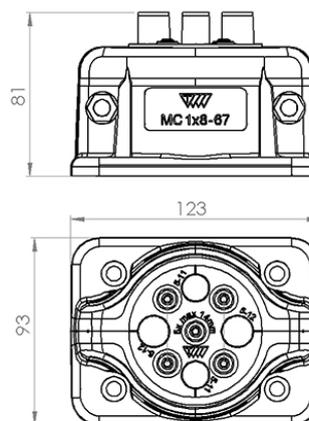
- IP rating: IP55
- Material: thermoplastic elastomer and fiberglass reinforced plastic
- Colour: black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 9 mm

### Installation Range (Ø)

- 4 x 5mm - 11mm
- 4 x 5mm - 13mm

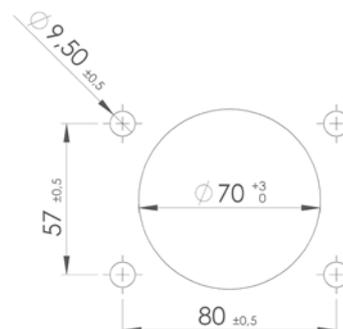
Total of 9 cable

### Dimensions of MC 1/9



<b>A</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
<b>MC 1/9</b>	<b>Splitting multigates</b>	<b>Bulk packed 20 pcs/box</b>	

### Cut-out dimensions



Art.No.	Description	Packing code	Material Properties	Weight (g)
106825	MC 1/9 SPLITTING UL94 V-0	●	UL94 V-0, self-extinguishing	495



# SCG 2x3-35



## Advantages

- Can be used with pre-terminated cables
- Robust design
- Good strain relief
- Suitable for both indoor and outdoor use

## Technical Specifications

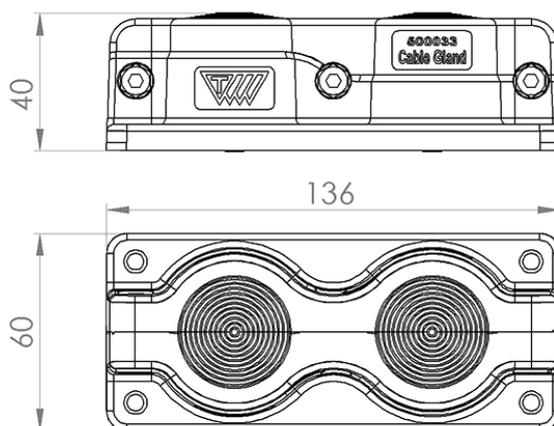
- IP rating: IP55
- Material: silicone rubber and fiberglass reinforced plastic
- Colour: black
- Made of self-extinguishing material
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 5.5 mm

## Installation Range (Ø)

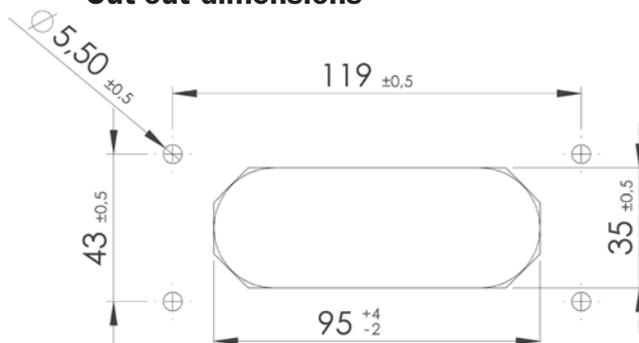
2 x 3mm - 35mm

**Total of 2 cable**

## Dimensions of SCG 2x3-35



## Cut-out dimensions



B

Bulk packed

F

Single packed

C

Bulk packed with fastener pins

A

Single packed with fastener pins

SCG 2x3-35

Splitting multigates

Bulk packed 50 pcs/box

Art.No.	Description	Packing code	Material Properties	Weight (g)
105929	SCG 2 (3-35)	●	UL94 V-0, self-extinguishing	265



# SCG 1x3-35



## Advantages

- Can be used with pre-terminated cables
- Robust design
- Good strain relief
- Suitable for both indoor and outdoor use

## Technical Specifications

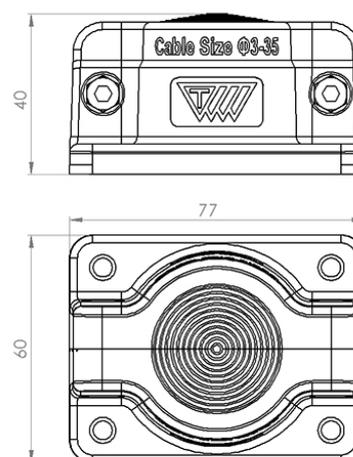
- IP rating: IP55
- Material: silicone rubber and fiberglass reinforced plastic
- Colour: black
- Made of self-extinguishing material
- Material service temperature (unstressed): -40 °C...+90 °C
- Diameter of screw holes: 5.5 mm

## Installation Range (Ø)

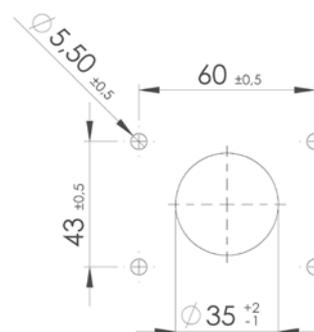
2 x 3mm - 35mm

**Total of 1 cable**

## Dimensions of SCG 1x3-35



## Cut-out dimensions



<b>B</b> Bulk packed	<b>B</b> Single packed	<b>F</b> Bulk packed with fastener pins	<b>C</b> Single packed with fastener pins
SCG 1x3-35	Splitting multigates	Bulk packed 100 pcs/box	

Art.No.	Description	Packing code	Material Properties	Weight (g)
105928	SCG 1 (3-35)	●	UL94 V-0, self-extinguishing	160



# SINGLEGATES

Trelleborg Singlegates are grommets with various designs based on IP rating and application. These grommets can be used to lead through both low and medium voltage power cables, tubes and hoses. There are options that match the cut-outs that are based on PG dimensions, as well as on mm dimensions.

Singlegates are made of various types of polymers that are RoHS compliant and have excellent weather resistance. Also fire retardant and oil resistant models are available.



## Grommets with IP54 classification

- Available both for PG and mm openings.
- UL94V-0 fire retardant material.
- For cable diameters between 9-69 mm

## Grommets with IP67 classification

- Provides very high protection against dust and water
- Available in various materials and colours
- For cable diameters between 3-60mm



## Packing size

Item	Packing size	Item	Packing size
Singlegate GET 3-5	50	Singlegate VET 3-5	50
Singlegate GET 5-7	50	Singlegate VET 5-7	50
Singlegate GET 7-10	50	Singlegate VET 8-14	50
Singlegate GET 10-14	50	Singlegate VET 7-10	50
Singlegate GET 14-20	25	Singlegate VET 10-14	50
Singlegate GET 20-26	25	Singlegate VET 14-20	25
Singlegate GET 26-35	10	Singlegate VET 20-26	25
Singlegate GET 30-45	5	Singlegate VET 26-35	10
Singlegate GET 40-60	5	Singlegate VET 40-60	5



# T-VET



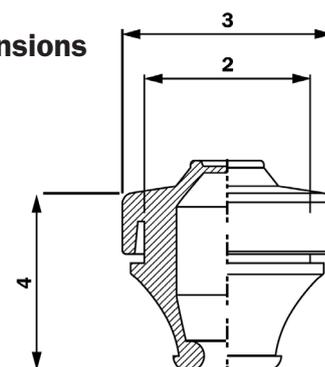
## Advantages

- Fast and easy assembly
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use
- Fit PG cut-out dimensions

## Technical Specifications

- IP rating: IP67
- Material: thermoplastic elastomer
- Colour: grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C

## Dimensions



Art.No.	Description	Packing code	Box size	Material Properties	Cable diameter	2	3	4	Plate thickness	Weight (g)
100744	T-VET 3-5 GREY	●	1 800	halogen-free	3mm - 5mm	13	20	17	1mm - 4mm	4
100746	T-VET 3-5 GREY UL94 V-0	●	1 800	UL94 V-0, self-extinguishing	3mm - 5mm	13	20	17	1mm - 4mm	4
100747	T-VET 3-5 BLACK UL94 V-0	●	1 800	UL94 V-0, self-extinguishing	3mm - 5mm	13	20	17	1mm - 4mm	4
100186	T-VET 5-7 GREY	●	1 500	halogen-free	5mm - 7mm	16	20	19	1mm - 4mm	4
100749	T-VET 5-7 GREY UL94 V-0	●	1 500	UL94 V-0, self-extinguishing	5mm - 7mm	16	20	19	1mm - 4mm	4
100187	T-VET 5-7 BLACK UL94 V-0	●	1 500	UL94 V-0, self-extinguishing	5mm - 7mm	16	20	19	1mm - 4mm	4
100465	T-VET 7-10 GREY	●	1 200	halogen-free	7mm - 10mm	19	24	21	1mm - 4mm	5
100751	T-VET 7-10 GREY UL94 V-0	●	1 200	UL94 V-0, self-extinguishing	7mm - 10mm	19	24	21	1mm - 4mm	5
100188	T-VET 7-10 BLACK UL94 V-0	●	1 200	UL94 V-0, self-extinguishing	7mm - 10mm	19	24	21	1mm - 4mm	5
100189	T-VET 10-14 GREY	●	700	halogen-free	10mm - 14mm	24	30	23	1mm - 4mm	8
100190	T-VET 10-14 GREY UL94 V-0	●	700	UL94 V-0, self-extinguishing	10mm - 14mm	24	30	23	1mm - 4mm	8
100191	T-VET 10-14 BLACK UL94 V-0	●	700	UL94 V-0, self-extinguishing	10mm - 14mm	24	30	23	1mm - 4mm	8
100753	T-VET 14-20 GREY	●	400	halogen-free	14mm - 20mm	29	34	26	1mm - 4mm	9
100192	T-VET 14-20 GREY UL94 V-0	●	400	UL94 V-0, self-extinguishing	14mm - 20mm	29	34	26	1mm - 4mm	9
100193	T-VET 14-20 BLACK UL94 V-0	●	400	UL94 V-0, self-extinguishing	14mm - 20mm	29	34	26	1mm - 4mm	9
100194	T-VET 20-26 GREY	●	250	halogen-free	20mm - 26mm	38	46	30	1mm - 4mm	18
100755	T-VET 20-26 GREY UL94 V-0	●	250	UL94 V-0, self-extinguishing	20mm - 26mm	38	46	30	1mm - 4mm	18
100195	T-VET 20-26 BLACK UL94 V-0	●	250	UL94 V-0, self-extinguishing	20mm - 26mm	38	46	30	1mm - 4mm	18
100196	T-VET 26-35 GREY	●	120	halogen-free	26mm - 35mm	48	58	33	1mm - 4mm	28
100197	T-VET 26-35 GREY UL94 V-0	●	120	UL94 V-0, self-extinguishing	26mm - 35mm	48	58	33	1mm - 4mm	28
100198	T-VET 26-35 BLACK UL94 V-0	●	120	UL94 V-0, self-extinguishing	26mm - 35mm	48	58	33	1mm - 4mm	28



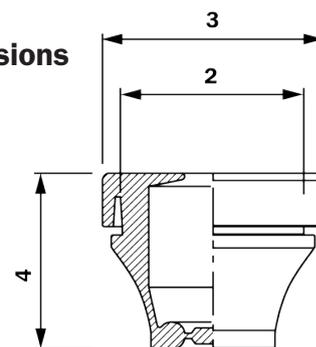
### Advantages

- Fast and easy assembly
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use
- Fit PG cut-out dimensions

### Technical Specifications

- IP rating: IP67
- Material: EPDM rubber
- Colour: grey and black
- Material service temperature (unstressed): -40 °C...+100 °C

### Dimensions



Art.No.	Description	Packing code	Box size	Material Properties	Cable diameter	2	3	4	Plate thickness	Weight (g)
100715B	VET 3-5 BLACK EPDM	●	1 000	halogen-free	3mm - 5mm	13,2	20	12,8	1mm - 4mm	3
100716B	VET 3-5 GREY EPDM	●	1 000	halogen-free	3mm - 5mm	13,2	20	12,8	1mm - 4mm	3
104010B	VET 3-5 GREY EPDM	●	1 000	halogen-free	3mm - 5mm	13,2	20	12,8	1mm - 4mm	3
100306B	VET 5-7 BLACK EPDM	●	1 000	halogen-free	5mm - 7mm	16	20	20	1mm - 4mm	3
100307B	VET 5-7 GREY EPDM	●	1 000	halogen-free	5mm - 7mm	16	20	20	1mm - 4mm	3
100308B	VET 5-7 GREY EPDM	●	1 000	halogen-free	5mm - 7mm	16	20	20	1mm - 4mm	3
100291B	VET 8-14 BLACK EPDM	●	1 000	halogen-free	8mm - 14mm	23	28	23,5	1mm - 4mm	6
100292B	VET 8-14 GREY EPDM	●	1 000	halogen-free	8mm - 14mm	23	28	23,5	1mm - 4mm	7
100702B	VET 8-14GREY EPDM	●	1 000	halogen-free	8mm - 14mm	23	28	23,5	1mm - 4mm	7
100295B	VET 7-10 BLACK EPDM	●	1 000	halogen-free	7mm - 10mm	19	24	21	1mm - 4mm	5
100296B	VET 7-10 GREY EPDM	●	1 000	halogen-free	7mm - 10mm	19	24	21	1mm - 4mm	6
100703B	VET 7-10 GREY EPDM	●	1 000	halogen-free	7mm - 10mm	19	24	21	1mm - 4mm	5
100297B	VET 14-20 BLACK EPDM	●	500	halogen-free	14mm - 20mm	29	34	26	1mm - 4mm	12
100298B	VET 14-20 GREY EPDM	●	500	halogen-free	14mm - 20mm	29	34	26	1mm - 4mm	9
100707B	VET14-20 GREY EPDM	●	500	halogen-free	14mm - 20mm	29	34	26	1mm - 4mm	10
100300B	VET 20-26 BLACK EPDM	●	500	halogen-free	20mm - 26mm	38	46	30	1mm - 4mm	20
100301B	VET 20-26 GREY EPDM	●	500	halogen-free	20mm - 26mm	38	46	30	1mm - 4mm	18
100709B	VET 20-26 GREY EPDM	●	500	halogen-free	20mm - 26mm	38	46	30	1mm - 4mm	19
100304B	VET 26-35 BLACK EPDM	●	200	halogen-free	26mm - 35mm	48	48	30	1mm - 4mm	32
100305B	VET 26-35 GREY EPDM	●	200	halogen-free	26mm - 35mm	48	48	30	1mm - 4mm	31
100710B	VET 26-35 GREY EPDM	●	200	halogen-free	26mm - 35mm	48	48	30	1mm - 4mm	34

# T-GET



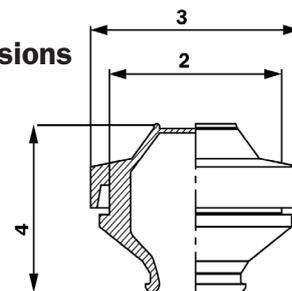
## Advantages

- Fast and easy assembly
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use
- Fit cut-out dimensions in mm

## Technical Specifications

- IP rating: IP67
- Material: thermoplastic elastomer
- Colour: grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C

## Dimensions



Art.No.	Description	Packing code	Box size	Material Properties	Cable diameter	2	3	4	Plate thickness	Weight (g)
100722	T-GET 3-5 GREY	●	1 500	halogen-free	3mm - 5mm	12	19	21	1mm - 5mm	3
100723	T-GET 3-5 GREY UL94 V-0	●	1 500	UL94 V-0, self-extinguishing	3mm - 5mm	12	19	21	1mm - 5mm	3
100724	T-GET 3-5 BLACK UL94 V-0	●	1 500	UL94 V-0, self-extinguishing	3mm - 5mm	12	19	21	1mm - 5mm	3
100725	T-GET 5-7 GREY	●	1 500	halogen-free	5mm - 7mm	16	23	22	1mm - 5mm	5
100726	T-GET 5-7 GREY UL94 V-0	●	1 500	UL94 V-0, self-extinguishing	5mm - 7mm	16	23	22	1mm - 5mm	5
100727	T-GET 5-7 BLACK UL94 V-0	●	1 500	UL94 V-0, self-extinguishing	5mm - 7mm	16	23	22	1mm - 5mm	5
100728	T-GET 7-10 GREY	●	1 000	halogen-free	7mm - 10mm	20	27	25	1mm - 5mm	6
100729	T-GET 7-10 GREY UL94 V-0	●	1 000	UL94 V-0, self-extinguishing	7mm - 10mm	20	27	25	1mm - 5mm	6
100730	T-GET 7-10 BLACK UL94 V-0	●	1 000	UL94 V-0, self-extinguishing	7mm - 10mm	20	27	25	1mm - 5mm	6
100731	T-GET 10-14 GREY	●	600	halogen-free	10mm - 14mm	26	32	25	1mm - 5mm	9
100732	T-GET 10-14 GREY UL94 V-0	●	600	UL94 V-0, self-extinguishing	10mm - 14mm	26	32	25	1mm - 5mm	9
100733	T-GET 10-14 BLACK UL94 V-0	●	600	UL94 V-0, self-extinguishing	10mm - 14mm	26	32	25	1mm - 5mm	9
100734	T-GET 14-20 GREY	●	400	halogen-free	14mm - 20mm	32	39	29	1mm - 5mm	13
100735	T-GET 14-20 GREY UL94 V-0	●	400	UL94 V-0, self-extinguishing	14mm - 20mm	32	39	29	1mm - 5mm	13
100736	T-GET 14-20 BLACK UL94 V-0	●	400	UL94 V-0, self-extinguishing	14mm - 20mm	32	39	29	1mm - 5mm	13
100737	T-GET 20-26 GREY	●	250	halogen-free	20mm - 26mm	40	46	33	1mm - 5mm	18
100183	T-GET 20-26 GREY UL94 V-0	●	250	UL94 V-0, self-extinguishing	20mm - 26mm	40	46	33	1mm - 5mm	18
100184	T-GET 20-26 BLACK UL94 V-0	●	250	UL94 V-0, self-extinguishing	20mm - 26mm	40	46	33	1mm - 5mm	18
100738	T-GET 26-35 GREY	●	140	halogen-free	26mm - 35mm	50	57	40	1mm - 5mm	27
100739	T-GET 26-35 GREY UL94 V-0	●	140	UL94 V-0, self-extinguishing	26mm - 35mm	50	57	40	1mm - 5mm	27
100740	T-GET 26-35 BLACK UL94 V-0	●	140	UL94 V-0, self-extinguishing	26mm - 35mm	50	57	40	1mm - 5mm	27
103924	T-GET 30-45 GREY	●	175	halogen-free	30mm - 45mm	60	69	61	1mm - 5mm	53
100741	T-GET 30-45 GREY UL94 V-0	●	175	UL94 V-0, self-extinguishing	30mm - 45mm	60	69	61	1mm - 5mm	53
100185	T-GET 30-45 BLACK UL94 V-0	●	175	UL94 V-0, self-extinguishing	30mm - 45mm	60	69	61	1mm - 5mm	53
100743	T-GET 40-60 BLACK UL94 V-0	●	80	UL94 V-0, self-extinguishing	40mm - 60mm	80	89	79	1.2mm - 5.2mm	112



# GET



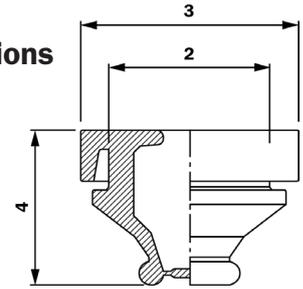
### Advantages

- Fast and easy assembly
- Double sealing with high IP protection
- Suitable for both indoor and outdoor use
- Fit cut-out dimensions in mm

### Technical Specifications

- IP rating: IP67
- Material: EPDM rubber
- Colour: grey and black
- Material service temperature (unstressed): -40 °C...+100 °C

### Dimensions



Art.No.	Description	Packing code	Box size	Material Properties	Cable diameter	2	3	4	Plate thickness	Weight (g)
100589B	GET 3-5 BLACK EPDM	●	1 000	halogen-free	3mm - 5mm	12,2	19	18,5	1,3 - 5mm	3
100590B	GET 3-5 GREY EPDM	●	1 000	halogen-free	3mm - 5mm	12,2	19	18,5	1,3 - 5mm	3
100587B	GET 5-7 BLACK EPDM	●	1 000	halogen-free	5mm - 7mm	16,2	23	18,5	1,3 - 5mm	4
100231B	GET 5-7 GREY EPDM	●	1 000	halogen-free	5mm - 7mm	16,2	23	18,5	1,3 - 5mm	5
100578B	GET 7-10 BLACK EPDM	●	1 000	halogen-free	7mm - 10mm	20,2	27	19,5	1,3 - 5mm	6
100226B	GET 7-10 GREY EPDM	●	1 000	halogen-free	7mm - 10mm	20,2	27	19,5	1,3 - 5mm	6
100574B	GET 10-14 BLACK EPDM	●	1 000	halogen-free	10mm - 14mm	25,2	32	19,5	1,3 - 5mm	8
100167B	GET 10-14 GREY EPDM	●	1 000	halogen-free	10mm - 14mm	25,2	32	19,5	1,3 - 5mm	9
100227B	GET 14-20 BLACK EPDM	●	500	halogen-free	14mm - 20mm	32,2	39	21,5	1,3 - 5mm	11
100228B	GET 14-20 GREY EPDM	●	500	halogen-free	14mm - 20mm	32,2	39	21,5	1,3 - 5mm	12
100583B	GET 20-26 BLACK EPDM	●	500	halogen-free	20mm - 26mm	40,2	47	24	1,3 - 5mm	16
100584B	GET 20-26 GREY EPDM	●	500	halogen-free	20mm - 26mm	40,2	47	24	1,3 - 5mm	17
100229B	GET 26-35 BLACK EPDM	●	200	halogen-free	26mm - 35mm	50,2	58	30	1,3 - 5mm	27
100230B	GET 26-35 GREY	●	200	halogen-free	26mm - 35mm	50,2	58	30	1,3 - 5mm	29
100223B	GET 30-45 BLACK EPDM	●	100	halogen-free	30mm - 45mm	60,2	69	45	1,3 - 5mm	52
100224B	GET 30-45 GREY EPDM	●	100	halogen-free	30mm - 45mm	60,2	69	45	1,3 - 5mm	58
100573B	GET40-60 BLACK EPDM	●	50	halogen-free	40mm - 60mm	80,2	90	60	1,3 - 5mm	97
100225B	GET 40-60 GREY EPDM	●	50	halogen-free	40mm - 60mm	80,2	90	60	1,3 - 5mm	116

# T-GD



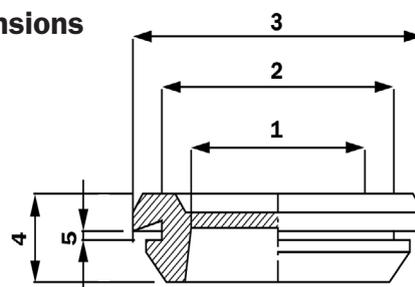
## Advantages

- Fast and easy assembly
- Suitable for both indoor and outdoor use
- Fit PG cut-out dimensions

## Technical Specifications

- IP rating: IP54
- Material: thermoplastic elastomer
- Colour: black
- Made of self-extinguishing material
- Material service temperature (unstressed): -40 °C...+100 °C

## Dimensions



Art.No.	Description	Packing code	Material Properties	1 Cable diameter	2	3	4	Plate thickness	Weight (g)
100174	T-GD 9 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 9mm	15,5	20	7	1mm - 2mm	1
100175	T-GD 11 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 11mm	18,5	23	7	1mm - 2mm	2
100176	T-GD 13,5 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 13.5mm	20,5	25	7	1mm - 2mm	2
100177	T-GD 16 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 16mm	22,5	28	7	1mm - 2mm	3
100178	T-GD 21 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 21mm	28	35	9	1mm - 2mm	5
100179	T-GD 29 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 29mm	37	44	9.5	1mm - 2mm	8
100180	T-GD 36 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 36mm	47	54	12	1.5mm - 3mm	15
100181	T-GD 48 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 48mm	60	68	12	1.5mm - 3mm	23
100182	T-GD 53 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 53mm	64	75	12	1.5mm - 3mm	25
100721	T-GD 69 PG BLACK	●	UL94 V-0, self-extinguishing	1mm - 69mm	80	90	12	1.5mm - 3mm	33



# T-GDM



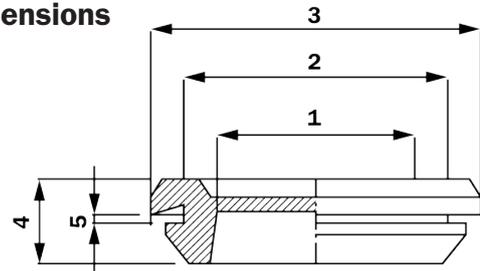
## Advantages

- Fast and easy assembly
- Suitable for both indoor and outdoor use
- Fit cut-out dimensions in mm

## Technical Specifications

- IP rating: IP54
- Material: thermoplastic elastomer
- Colour: black
- Made of self-extinguishing material
- Material service temperature (unstressed):  
-40 °C...+100 °C

## Dimensions



Art.No.	Description	Packing code	Material Properties	1 Cable diameter	2	3	4	Plate thickness	Weight (g)
103665	T-GDM 9 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 9mm	12,2	17	7	1mm - 2mm	1
103933	T-GDM 11 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 11mm	16,2	21	7	1mm - 2mm	2
100199	T-GDM 13,5 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 13.5mm	20,2	25	7	1mm - 2mm	2
100200	T-GDM 16 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 16mm	25,2	32	7	1mm - 2mm	4
102342	T-GDM 21 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 21mm	32,2	40	9	1mm - 2mm	7
103523	T-GDM 29 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 29mm	40,2	48	10	1mm - 2mm	8
104019	T-GDM 36 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 36mm	50,2	58	12	1.5mm - 3mm	20
104021	T-GDM 48 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 48mm	60,2	68	12	1.5mm - 3mm	23
104022	T-GDM 53 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 53mm	70,2	81	12	1.5mm - 3mm	37
104023	T-GDM 69 MM BLACK	●	UL94 V-0, self-extinguishing	1mm - 69mm	80,2	91	12	1.5mm - 3mm	33

# T-RGDM



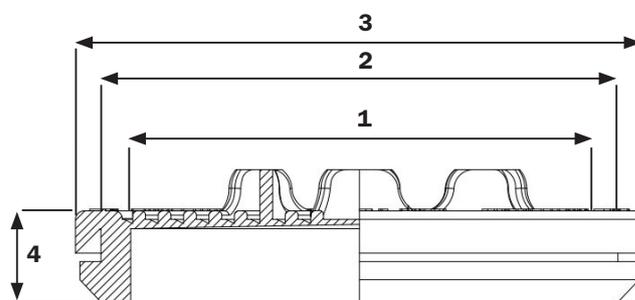
## Advantages

- Fast and easy assembly
- Sealing rings can easily be pulled off without extra tools
- Suitable for both indoor and outdoor use
- Fit M40, M50 or M60 cut-out

## Technical Specifications

- IP rating: IP54
- Material: thermoplastic elastomer
- Colour: grey and black
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C

## Dimensions



Art.No.	Description	Packing code	Material Properties	1 Cable diameter	2	3	4	Plate thickness	Weight (g)
107166	T-RGDM 40 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	10mm - 34mm	40,2	47	11	1 - 3.5 mm	11
108421	T-RGDM 40 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	10mm - 34mm	40,2	47	11	1 - 3.5 mm	10
106995	T-RGDM 50 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	12mm - 44mm	50,2	57	11	1 - 3.5 mm	13
108422	T-RGDM 50 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	12mm - 44mm	50,2	57	11	1 - 3.5 mm	13
107167	T-RGDM 60 BLACK V-0	●	UL94 V-0, self-extinguishing , halogen-free	12mm - 54mm	60,2	67	11	1 - 3.5 mm	16
108423	T-RGDM 60 LIGHT GREY V-0	●	UL94 V-0, self-extinguishing , halogen-free	12mm - 54mm	60,2	67	11	1 - 3.5 mm	16

# MGD



## Advantages

- Fast and easy assembly
- Suitable for both indoor and outdoor use
- Fit M50 cut-out

## Technical Specifications

- IP rating: IP54
- Material: EPDM rubber
- Colour: light grey
- Material service temperature (unstressed): -40 °C...+100 °C

## Installation Range M-GD 50-12 (Ø)

8 x 1mm - 9mm  
4 x 1mm - 13mm

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**Total of 12 cable**

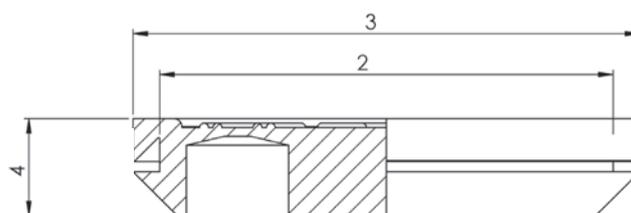
## Installation Range M-GD 50-7 (Ø)

4 x 1mm - 10mm  
3 x 1mm - 16mm

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**Total of 7 cable**

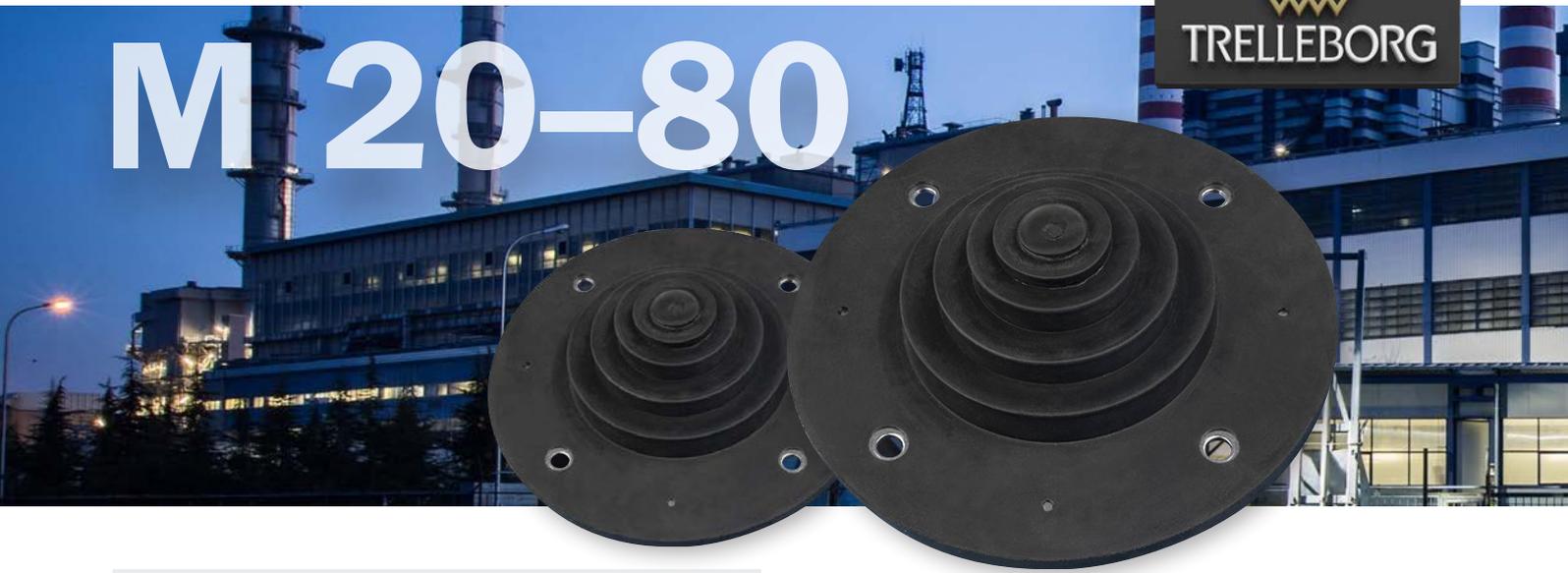
## Dimensions of MGD



Art.No.	Description	Packing code	Material Properties	2	3	4	Weight (g)
106612	M-GD 50-12 (8 x 9 MM / 4 x 13 MM)	●	halogen-free	51	57	11	20
106613	M-GD 50-7 (4 x 10 MM / 3 x 16 MM)	●	halogen-free	51	57	11	19



# M 20-80



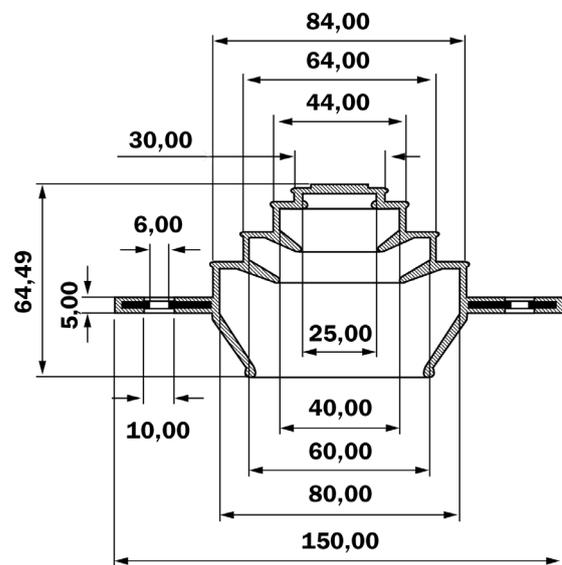
### Advantages

- Suitable for cable diameters up to 80 mm
- Suitable for both indoor and outdoor use

### Technical Specifications

- Material: thermoplastic elastomer
- Colour: black and grey
- Self-extinguishing option available
- Material service temperature (unstressed): -40 °C...+100 °C

### Dimensions of M 20-80



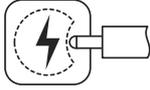
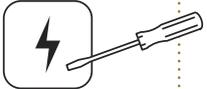
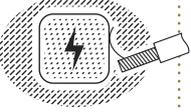
M 20-80      Singlegates      Bulk packed 50 pcs/box      Bulk packed

Art.No.	Description	Packing code	Material Properties	Weight (g)
104048	M 20-80 GREY	●	halogen-free	270
104049	M 20-80 LIGHT GREY UL94 V-0	●	UL94 V-0, self-extinguishing	270
101035	M 20-80 BLACK UL94 V-0	●	UL94 V-0, self-extinguishing	270

# IP codes

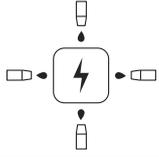
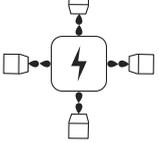
## First digit

Protection against ingress of solid foreign objects

IP	Requirements	Example	Degree of protection against persons against access to hazardous parts with:
0	No protection		No protection provided
1	Full penetration of a 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 a 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 digit

Protection against harmful ingress of water

IP	Requirements	Example	Degree of protection against ingress of water:
0	No protection		No protection provided
1	Protected against vertically dripping drops of water		Vertically dripping
2	Protected against vertically dripping drops of water with the enclosure tilted at 15°		Enclosure tilted 15° from the vertical
3	Protected against sprays of water from any angle up to 60°		Limited spraying
4	Protected against water splashing from any direction		Splashing from any direction
5	Protected against low-pressure jets of water from any direction		Hosing jets from all directions
6	Protected against strong jets of water any direction		Strong jets of water from any direction
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



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