



Splittable frames of 1910 series for cables with or without connectors

The splittable frames of the 1910 series facilitate the feedthrough of cables with or without connectors, with diameters from 2 to 35 mm, thanks to the various available cable grommets. The way the frame comes together at the sides provides strain relief and sealing. The grommets can be freely positioned within the frame. The specified protection classes can be achieved with any combination of grommets (single, double, quadruple, large). The spray-on coating and thus the complete V0 self-extinguishing of the system make the 1910 series a unique product.

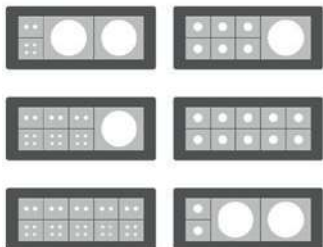
- Multiple configurations in the same frame
- Steel fixing screws (AISI 304)
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Sprayed-on coating in accordance with UL 94 V-0



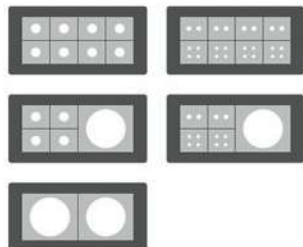
Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Click-closed frame of series 1910.FLAP | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

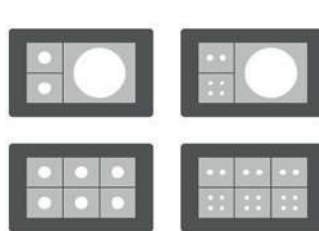
Further information



Possible configurations for 1910.24



Possible configurations for 1910.16



Possible configurations for 1910.10



Possible configurations for 1910.Q



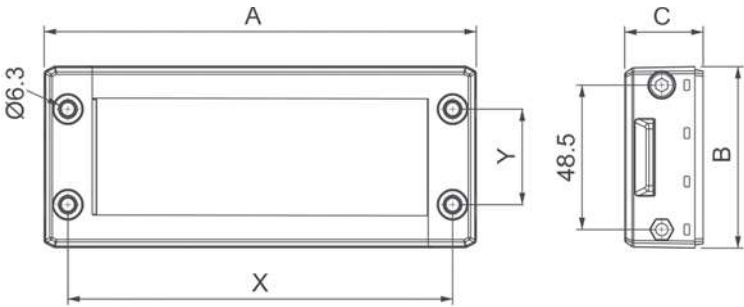
Application example



Product images



Dimensioned drawing 1910.XX



Material: PP + GF
Properties: Halogen-free, silicone-free
Strain relief: Design A according to EN 62444
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +155 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	61	26.5	130	32	112x39	1910.24	10
120	61	26.5	103	32	86x39	1910.16	10
99	61	26.5	83	32	63x39	1910.10	10
74	61	26.5	58	32	40x39	1910.Q	10

Available on request:
Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating



Splittable frames with double brush-type seal



The 1910.ZZ series is a splittable frame with two rows of brush-type seals. It is designed for the feedthrough of cables with or without connectors where sealing and strain relief are not required. Effective protection against dust and dirt is provided by the double brush-type seal.

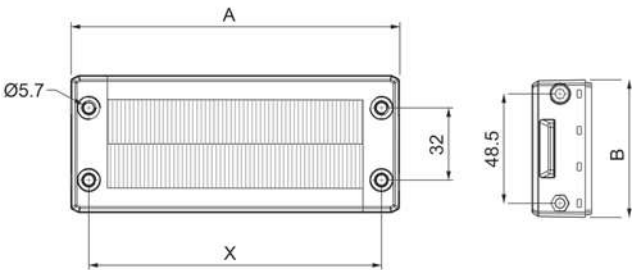
- Frame with brush-type seal for cables with or without connectors
- Double brush-type seal offers increased dust protection
- Colour: Black



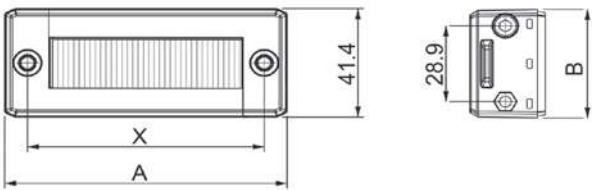
Accessories

Click-closed frame of series 1910.FLAP

Dimensioned drawing 1910.ZZ.xx



Dimensioned drawing 1910.ZZ.Lx



Material:
 Properties:
 Flammability:
 Operating temperature:

PP + GF
 Halogen-free, silicone-free
 Self-extinguishing in accordance with UL 94 V-0
 -25 °C / +80 °C



A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	61	26.5	130	32	112x39	1910.ZZ.24	1
120	61	26.5	103	32	86x39	1910.ZZ.16	1
99	61	26.5	83	32	63x39	1910.ZZ.10	1
74	61	26.5	58	32	40x39	1910.ZZ.Q	1

Available on request:
 Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating



A	B	C	X	>□<	Art.-No.	
mm	mm	mm	mm	mm		
146	41.4	26.5	130	108x18	1910.ZZ.L5	1
120	41.4	26.5	103	86x18	1910.ZZ.L4	1
99	41.4	26.5	83	63x18	1910.ZZ.L3	1
74	41.4	26.5	58	40x18	1910.ZZ.L2	1

Monolithic cable feedthrough strips with brush-type seal

The 1910.Z series is designed for the routing of cables, with or without connectors, where sealing and strain relief are not required. Effective protection against dust and dirt.

- Frame with brush-type seal for cables with or without connectors
- Cost-effective solution
- Colour: Black

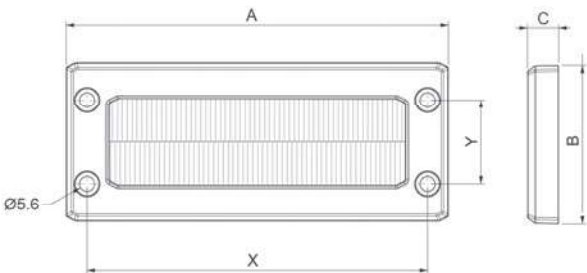


Further information



Product image

Dimensioned drawing 1910.Z.xx



Material:	PC
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-25 °C / +80 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	61	12	130	32	112x39	1910.Z.24	10
120	61	12	103	32	86x39	1910.Z.16	10
99	61	12	83	32	63x39	1910.Z.10	10





1911-series splittable low-profile frames for cables with or without connectors

Das The 1911-series low-profile cable entry system consists of a splittable frame that is designed to accommodate small (1919.SPP) cable grommets. All grommet combinations, including single, double and quadruple grommets, achieve the specified protection classes. The spray-on coating facilitates quick installation and achieves V0-level self-extinguishing capability.

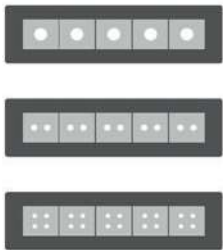
- For small 1919.SPP-series grommets
- Steel fixing screws (AISI 304)
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Sprayed-on coating in accordance with UL 94 V-0



Accessories

Grommets of series 1919.SPP | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

Further information



Possible configurations for 1911.L5



Possible configurations for 1911.L4



Possible configurations for 1911.L3



Possible configurations for 1911.L2



Possible configurations for 1911.L1



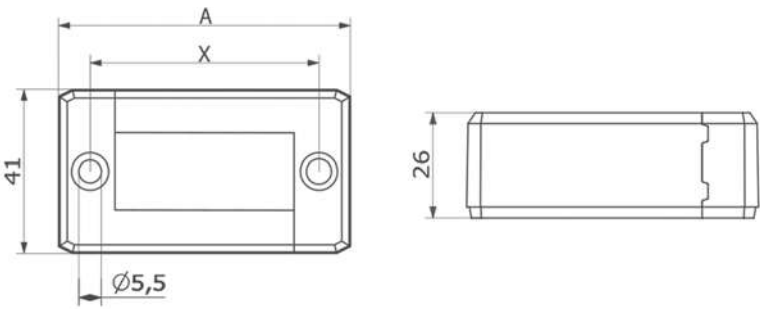
Application example



Product images



Dimensioned drawing 1911.xx



Material: PP + GF
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +155 °C

A	B	C	X	>□<	Art.-No.	
mm	mm	mm	mm	mm		
146	41	26	130	112x18	1911.L5	10
120	41	26	103	86x18	1911.L4	10
99	41	26	83	63x18	1911.L3	10
74	41	26	58	40x18	1911.L2	10
54.3	41	26	38	21x18	1911.L1	10

Available on request:
Set of 2 fixing screws of stainless steel (AISI 304) with black Dacromet coating





1912.Lx.FT-series splittable low-profile frames for rear mounting

The low-profile splittable frames of the 1912.Lx.FT series feature threaded inserts and front-surface plugs, facilitating rear mounting while keeping the front surface clean by preventing dirt accumulation. All other technical specifications are the same as the 1910 standard series.

- Smooth surface prevents dirt buildup
- Can be mounted from the rear side thanks to M4 threaded inserts
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Sprayed-on coating in accordance with UL 94 V-0



Accessories

Grommets of series 1919.SPP | Protection caps 1950.CAPS.1 | Inserts 1950.ISP

Further information



Possible configurations for 1912.L5.FT



Possible configurations for 1912.L4.FT



Possible configurations for 1912.L3.FT

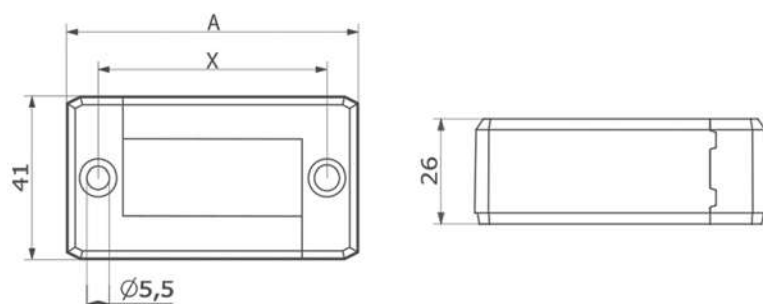


Possible configurations for 1912.L2.FT



Product images

Dimensioned drawing 1912.Lx.FT



Material: PP + GF
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +155 °C

A	B	C	X	>□<	Art.-No.	
mm	mm	mm	mm	mm		
146	41.4	26.5	130	112x18	1912.L5.FT	10
120	41.4	26.5	103	86x18	1912.L4.FT	10
99	41.4	26.5	83	63x18	1912.L3.FT	10
74	41.4	26.5	58	40x18	1912.L2.FT	10



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1912.xx.FT-series splittable frames for rear mounting

1912.xx.FT splittable frames are equipped with threaded inserts and frontsurface plugs that enable them to be installed from behind and help avoid dirt accumulation on the front. All other technical specifications correspond to the standard 1910 series.

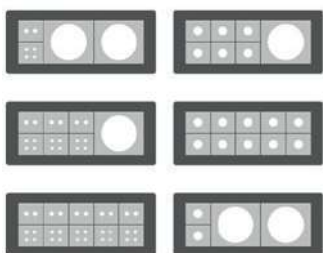
- Smooth surface prevents dirt buildup
- Rear mounting using M4 threaded inserts
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Sprayed-on coating in accordance with UL 94 V-0



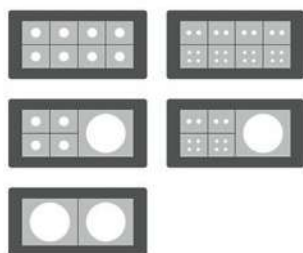
Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Protection caps 1950.CAPS.1 | Inserts 1950.ISP

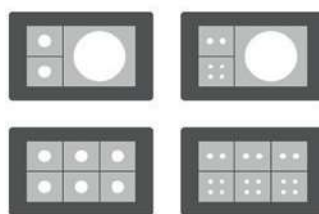
Further information



Possible configurations for 1912.24.FT



Possible configurations for 1912.16.FT



Possible configurations for 1912.10.FT

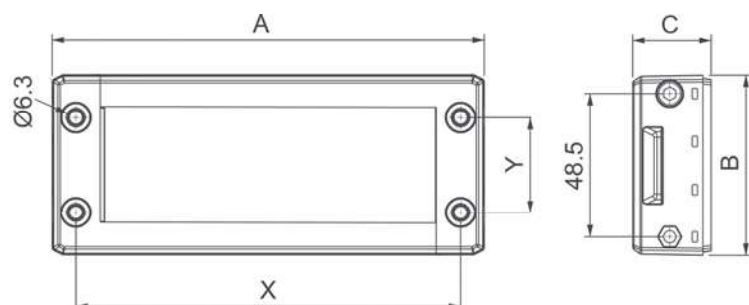


Possible configurations for 1912.Q.FT



Product images

Dimensioned drawing 1912.xx.FT



Material: PP + GF
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +155 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	61	26.5	130	32	112x39	1912.24.FT	10
120	61	26.5	103	32	86x39	1912.16.FT	10
99	61	26.5	83	32	63x39	1912.10.FT	10
74	61	26.5	58	32	40x39	1912.Q.FT	10



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1913-series splittable frames with 90° angle, size 24



This 90° cable entry system is used where a machine’s design does not permit straight cable entries or where an optimised design is desired. It is suitable for cables with or without connectors, or for corrugated conduits, or for a combination of both. The grommets can be freely arranged within the frame.

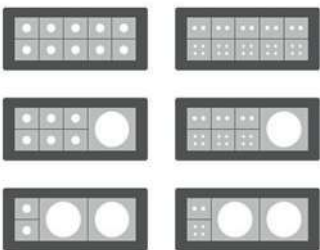
- 90° angle for cable entry
- Multiple configurations possible in the same frame
- Frame screws of AISI304 stainless steel
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)



Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Inserts 1950.ISP

Further information



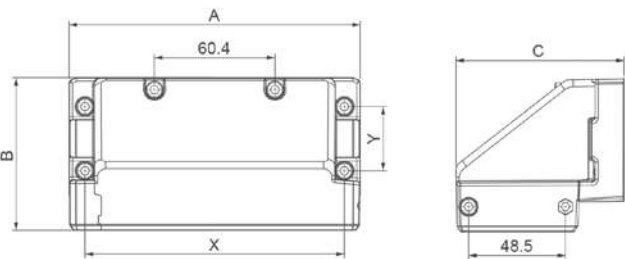
Possible configurations for 1913.2490



Product images



Dimensioned drawing 1913.xx



Material:	PP + GF
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +155 °C



A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	76.3	84.2	130	32	112x39	1913.2490	1

Splittable modular frames, size 24

The splittable frames of the 1914.24M series allow up to 40 cables with or without connectors, or one or two cables up to 35 mm in diameter, to be routed through the sides of control cabinets or machines. The associated small and large grommets can be freely positioned inside the frame. This frame is also the base unit for the expandable MX version.

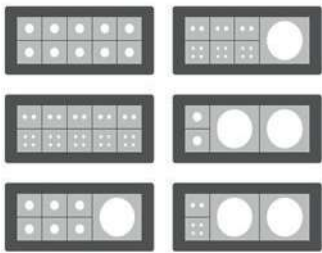
- Multiple configurations in the same frame
- Frame screws of AISI304 stainless steel
- Includes separate gasket
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Colour: Black



Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

Further information

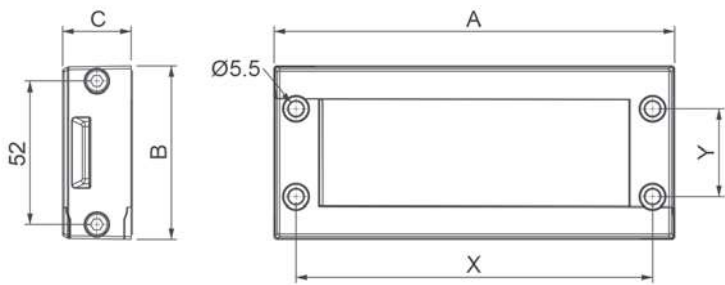


Possible configurations for 1914.24M



Product images

Dimensioned drawing 1914.24M



Material:	PP + GF
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +155 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	63	25	130	32	114x40	1914.24M	10
Available on request:							
Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating							





Extended modular frames, size 24, 1.5 windows

The 1914.MX15 splittable frame allows up to 60 cables with or without connectors, or one or two cables up to 35 mm in diameter, to be routed through the sides of control cabinets or machines. The associated small and large grommets can be freely positioned inside the frame. The frame is securely closed by three stainless steel screws on one side.

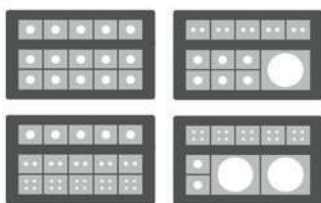
- Multiple configurations in the same frame
- Frame screws of AISI304 stainless steel
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Includes separate gasket
- Version with threaded inserts available on request



Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

Further information

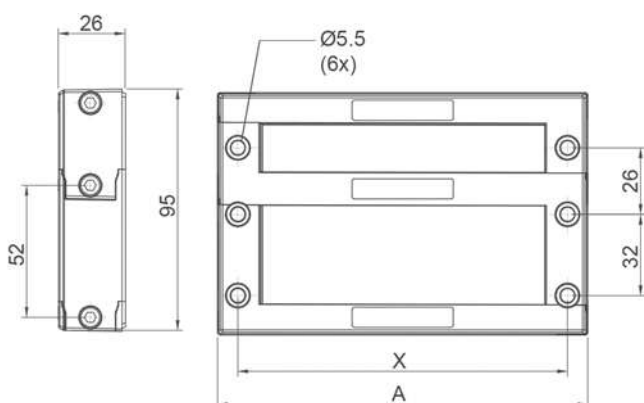


Possible configurations for 1914.24MX15



Product image

Dimensioned drawing 1914.24MX15



Material:PP + GF

Properties:Halogen-free, silicone-free

Flammability:Self-extinguishing in accordance with UL 94 V-0

Operating temperature:-40 °C / +155 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
146	95	26	130	32/26	114x72	1914.24MX15	10
Available on request:							
Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating							



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Extended modular frames, size 24, multiple windows

The 1914.24MXx family of splittable frames is a modular solution for routing a large number of cables through the sides of control cabinets or machines. As well as being modular, it can also be used as a general-purpose cable entry solution. It facilitates the routing of up to 40 cables, with or without connectors, and modifications can be carried out quickly, easily and costeffectively.

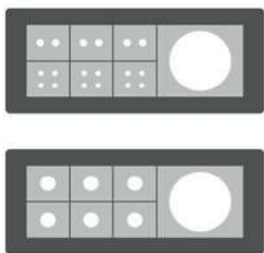
- Multiple configurations in the same frame
- Frame screws of AISI304 stainless steel
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Includes separate gasket



Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

Further information



Possible configurations for 1914.24MXx (each window)



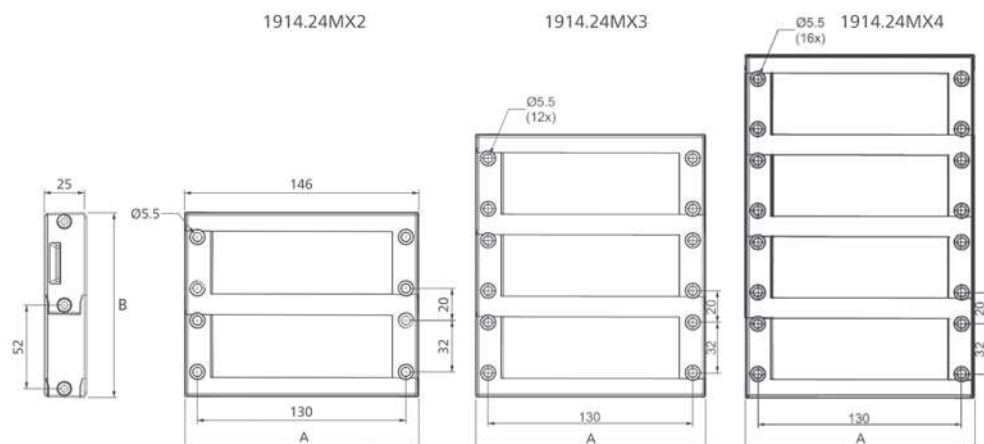
Application example



Product images



Dimensioned drawing 1914.24MXx



Material: PP + GF
 Properties: Halogen-free, silicone-free
 Flammability: Self-extinguishing in accordance with UL 94 V-0
 Operating temperature: -40 °C / +155 °C

A mm	B mm	C mm	X mm	Y mm	>□< mm	Art.-No.	
146	530	26	130	9x (32+20) + 32	114x508	1914.24MX10	1
146	166	26	130	32/20/32/20/32	114x144	1914.24MX3	1
146	115	26	130	32/20/32	114x92	1914.24MX2	1

Available on request:
 Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating



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Splittable modular frames, size 16

The splittable frames of the 1914.16M series allow up to 32 cables with or without connectors, or one or two cables up to 35 mm in diameter, to be routed through the sides of control cabinets or machines. The associated small and large grommets can be freely positioned inside the frame. This frame is also the base unit for the expandable MX version.

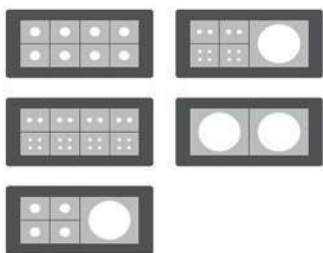
- Multiple configurations in the same frame
- Frame screws of AISI304 stainless steel
- Includes separate gasket
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Colour: Black



Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

Further information



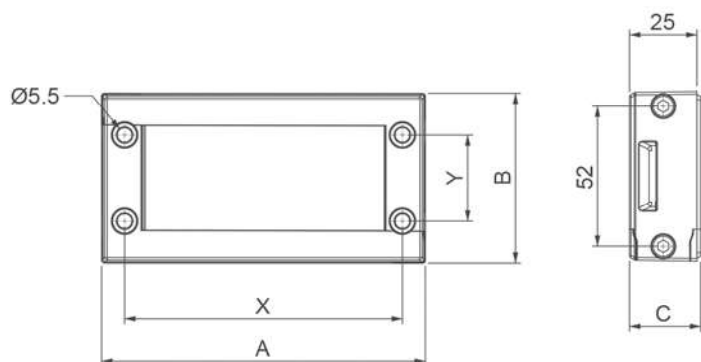
Possible configurations for 1914.16M



Product images



Dimensioned drawing 1914.16M



Material: PP + GF
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +155 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
120	63	26.4	103	32	86x40	1914.16M	10
Available on request:							
Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating							



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Extended modular frames, size 16, multiple windows

The 1914.16MXx family of splittable frames is a modular solution for routing a large number of cables through the sides of control cabinets or machines. As well as being modular, it can also be used as a general-purpose cable entry solution. It facilitates the routing of up to 32 cables, with or without connectors, and modifications can be carried out quickly, easily and costeffectively.

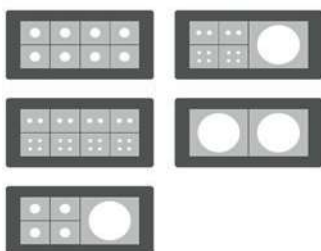
- Multiple configurations in the same frame
- Frame screws of AISI304 stainless steel
- Colour: Black
- High pull-out forces in accordance with EN 62444
- Robust design (IK 10)
- Includes separate gasket



Accessories

Grommets of series 1919.SPP | Grommets of series 1919.SPG | Protection caps 1950.CAPS.1 | Inserts 1950.ISP | Mounting bolts 1950.Vx

Further information



Possible configurations for 1914.16MXx (each window)

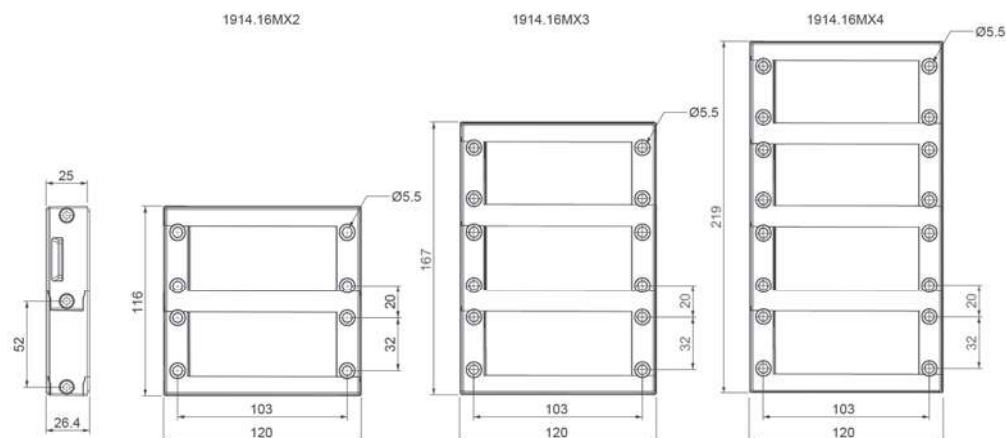


Application example



Product image

Dimensioned drawing 1914.16MXx



Material: PP + GF
 Properties: Halogen-free, silicone-free
 Flammability: Self-extinguishing in accordance with UL 94 V-0
 Operating temperature: -40 °C / +155 °C

A mm	B mm	C mm	X mm	Y mm	>□< mm	Art.-No.	
120	219	26.4	103	3x (32+20) +32	86x196	1914.16MX4	1
120	167	26.4	103	2x (32+20) +32	86x144	1914.16MX3	1
120	115	26.4	103	32/20/32	86x92	1914.16MX2	1

Available on request:
 Set of 4 fixing screws of stainless steel (AISI 304) with black Dacromet coating



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1915.C-series frames for hygienic applications

Each unit of the 1915 CLEAN series consists of a frame from the standard 1910 series and an FDA-compliant PC cover that fits onto this frame, as well as special hygienic grommets. The complete system is suitable for use in the food industry. The rounded-edged design and the absence of threaded inserts, which promote easy cleaning and dirt removal, make this a unique solution on the market for hygienic-design cable entry systems. The system facilitates the feedthrough of cables with or without connectors and with diameters from 2 to 35 mm.

- Easy to clean
- Colour: Blue
- High pull-out forces in accordance with EN 62444
- No screw recesses or sharp edges/corners
- Rear mounting

FDA
COMPLIANT

IP66

RoHS
COMPLIANT

UL94-HB

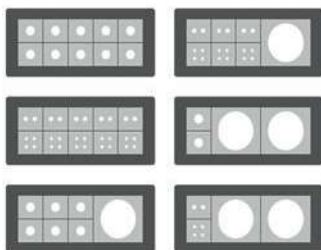
UV
ISO 4852-2A

UL TYPE
12, 4X

Accessories

Grommets of series 1919.SPP.C | Grommets of series 1919.SPG.C

Further information



Possible configurations for 1915.24.C



Possible configurations for 1915.Q.C

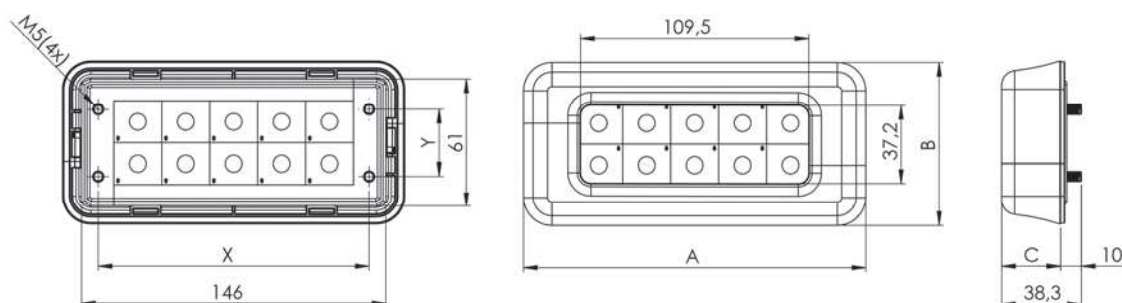


Application example

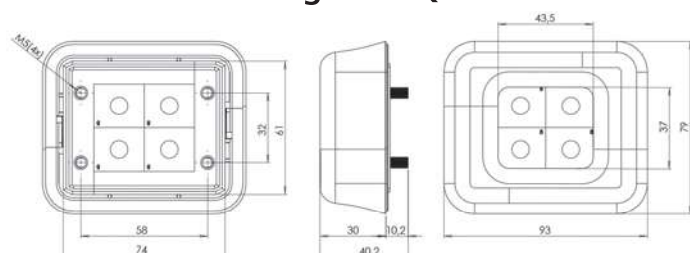


Product image

Dimensioned drawing 1915.24.C



Dimensioned drawing 1915.Q.C



Material: FDA-compliant PC

Properties: Halogen-free, silicone-free

Flammability: UL 94 HB

Operating temperature: -40 °C / +80 °C

A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
164.25	78.25	28.3	130	32	112x39	1915.24.C	1
93.00	79	32	58	32	40x39	1915.Q.C	1



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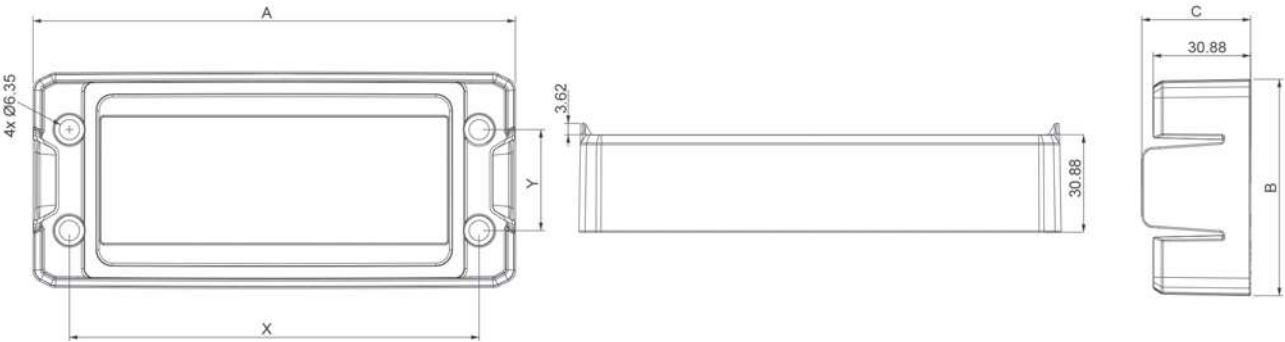
FLAP click-on covers for 1910-series frames

The 1910.FLAP series of click-on covers can be easily mounted onto matching frames of the types 1910.24, 1910.16, 1910.10 and 1910.Q, making them particularly suitable where installation should be quick and straightforward.

- Quick installation on 1910-series frames
- Integrated seal
- Colour: Black



Dimensioned drawing 1910.FLAP



Material:

Properties:

Flammability:

Operating temperature:

PP + GF

Halogen-free, silicone-free

Self-extinguishing in accordance with UL 94 V-0

-40 °C / +155 °C



A	B	C	X	Y	>□<	Art.-No.	
mm	mm	mm	mm	mm	mm		
153.0	68.7	34.5	130.0	32.0	112x36	1910.FLAP.24	10
127.0	68.7	34.5	103.0	32.0	86x36	1910.FLAP.16	10
106.0	68.7	34.5	83.0	32.0	63x36	1910.FLAP.10	10
81.1	68.7	34.5	58.0	32.0	40x36	1910.FLAP.Q	10

		Sealing elements	1919.SPP.X-series	1919.SPG.X-series	1929.SPC.X-series	1929.SPL.X-series	1939.SPH-series
Frames and cable glands							
1910.XX	Standard design	•	•	-	-	-	
1911.LX	Standard variant, "low-profile"	•	•	-	-	-	
1912.XX.FT	Standard variant, rear-mounted	•	•	-	-	-	
1913.2490	Standard variant, 90°-angled	•	•	-	-	-	
1914.24M	Modular frame, IP66, base unit	•	•	-	-	-	
1914.24MX	Modular frame, IP66, multiple windows	•	•	-	-	-	
1914.16M	Modular frame, IP66, base unit	•	•	-	-	-	
1914.16MX	Modular frame, IP66, multiple windows	•	•	-	-	-	
1915.XX.C	Hygienic "CLEAN" version	•	•	-	-	-	
1920.XX	Click-closed frame, IP54, installation without screws	-	-	•	•	-	
1930.380M	Modular "Jumbo" frame, base unit	-	-	-	-	•	
1930.380MX	Modular "Jumbo" frame, multiple windows	-	-	-	-	•	
1917.CLICK.X	Cable gland, IP54, CLICK-assembly, M20-M32	•	-	-	-	-	
1917.CLICK.50	Cable gland IP54, CLICK-assembly, M50	•	•	-	-	-	
1917.PRED.X	Cable gland, IP66, screwed assembly, M25-M63	•	-	-	-	-	
1917.PRED.5090	Cable gland, IP54, CLICK-assembly, 90°, M50	•	•	-	-	-	
1925.OSF.X	Cable gland, IP54, CLICK-assembly, M16-M32	-	-	•	-	-	
1925.OSF.40	Cable gland, IP54, CLICK-assembly, M40	-	-	•	-	-	
1925.OSF.50	Cable gland, IP54, CLICK-assembly, M50	-	-	•	•	-	
1925.OSF.63	Cable gland, IP54, CLICK-assembly, M63	-	-	•	•	-	
1925.OSF.90.X	Cable gland, IP54, CLICK-assembly, 90°, M16-M32	-	-	•	-	-	
1925.OSF.ZIP.X	Cable gland, IP54, push-in installation	-	-	•	-	-	



1919.SPP – small cable grommets: single, double or quadruple

1919.SPP-series cable grommets allow cables with a diameter of 2 to 17 mm to be routed through split frames of the 191x series. The 2X and 4X versions allow multiple cables to be routed through the same grommet.

- Blanking-type cable grommets available
- Colour: Grey
- UL 94 V-0
- Can be used in all 191x-series frames
- Splittable grommets

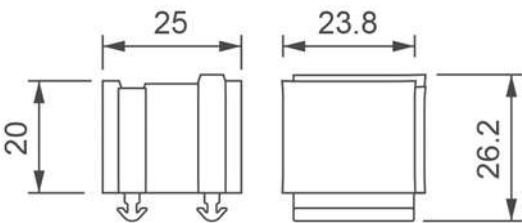


Further information



Product image

Dimensioned drawing 1919.SPP



Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C



• Universal solution for cables of diameter 2 to 17 mm						Art.-No.	
	Ø min mm	Ø max mm	A mm	B mm	C mm		
0x	~	~	23,8	26,2	25,0	1919.SPP.0.G	10
1x	2.0	3.0	23,8	26,2	25,0	1919.SPP.2.G	10
1x	3.0	4.0	23,8	26,2	25,0	1919.SPP.3.G	10
1x	4.0	5.0	23,8	26,2	25,0	1919.SPP.4.G	10
1x	5.0	6.0	23,8	26,2	25,0	1919.SPP.5.G	10
1x	6.0	7.0	23,8	26,2	25,0	1919.SPP.6.G	10
1x	7.0	8.0	23,8	26,2	25,0	1919.SPP.7.G	10
1x	8.0	9.0	23,8	26,2	25,0	1919.SPP.8.G	10
1x	9.0	10.0	23,8	26,2	25,0	1919.SPP.9.G	10
1x	10.0	11.0	23,8	26,2	25,0	1919.SPP.10.G	10
1x	11.0	12.0	23,8	26,2	25,0	1919.SPP.11.G	10
1x	12.0	13.0	23,8	26,2	25,0	1919.SPP.12.G	10
1x	13.0	14.0	23,8	26,2	25,0	1919.SPP.13.G	10
1x	14.0	15.0	23,8	26,2	25,0	1919.SPP.14.G	10
1x	15.0	16.0	23,8	26,2	25,0	1919.SPP.15.G	10
1x	16.0	17.0	23,8	26,2	25,0	1919.SPP.16.G	10

- Universal solution for cables of diameter 2 to 8 mm

	Ø mm	A mm	B mm	C mm	Art.-No.	
2x	2.0	23.8	26.2	25.0	1919.SPP.2X2.G	10
2x	3.0	23.8	26.2	25.0	1919.SPP.2X3.G	10
2x	4.0	23.8	26.2	25.0	1919.SPP.2X4.G	10
2x	5.0	23.8	26.2	25.0	1919.SPP.2X5.G	10
2x	6.0	23.8	26.2	25.0	1919.SPP.2X6.G	10
2x	7.0	23.8	26.2	25.0	1919.SPP.2X7.G	10
2x	8.0	23.8	26.2	25.0	1919.SPP.2X8.G	10



- Universal solution for cables of diameter 2 to 6 mm

	Ø mm	A mm	B mm	C mm	Art.-No.	
4x	2.0	23.8	26.2	25.0	1919.SPP.4X2.G	10
4x	3.0	23.8	26.2	25.0	1919.SPP.4X3.G	10
4x	4.0	23.8	26.2	25.0	1919.SPP.4X4.G	10
4x	5.0	23.8	26.2	25.0	1919.SPP.4X5.G	10
4x	6.0	23.8	26.2	25.0	1919.SPP.4X6.G	10





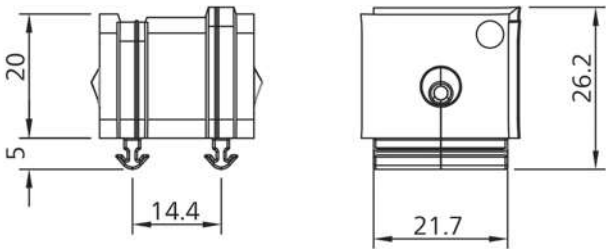
1919.SPP.R – small cable grommets with extra flexibility in terms of cable diameter

1919.SPP.R-series cable grommets allow cables with a diameter of 3 to 15 mm to be routed through split frames of the 191x series.

- Universal solution for cables of diameter 3 to 15 mm
- The entire range can be covered with just four models
- Colour: Grey
- Can be used in all 191x-series frames
- UL 94 V-0
- Splittable grommets



Dimensioned drawing 1919.SPP.R



Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C



	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
1x	3.0	6.0	24.1	26.2	25.0	1919.SPP.R1.G	10
1x	6.0	9.0	24.1	26.2	25.0	1919.SPP.R2.G	10
1x	9.0	12.0	24.1	26.2	25.0	1919.SPP.R3.G	10
1x	12.0	15.0	24.1	26.2	25.0	1919.SPP.R4.G	10

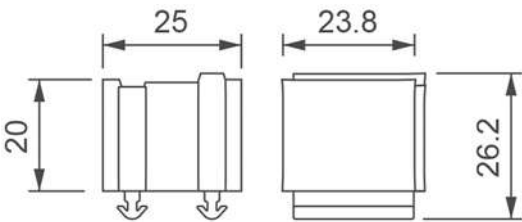
1919.SPP.K – small cable grommets with extra flexibility in terms of cable diameter, for cables without pre-fitted connectors

1919.SPP.K cable grommets have a dual function: They can be installed to serve initially as blanking grommets that can later accommodate the feedthrough of a single cable without a pre-fitted connector, or they can already accommodate such a feedthrough when installed. Five sizes are available, ranging in diameter from 2.5 to 16.5 mm. The double membrane ensures optimal water and dust protection, as well as a high degree of strain relief.

- Universal solution for cables without connectors, with cable diameter 2.5 to 16.5 mm
- Blanking-type cable grommets available
- Colour: Grey
- Can be used in all 191x-series frames
- UL 94 V-0



Dimensioned drawing 1919.SPP.K



Material: TPE
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +110 °C

	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
0x	-	-	23.8	26.2	25.0	1919.SPP.K0.G	10
1x	2.5	7.0	23.8	26.2	25.0	1919.SPP.K1.G	10
1x	4.5	10.0	23.8	26.2	25.0	1919.SPP.K2.G	10
1x	7.5	12.5	23.8	26.2	25.0	1919.SPP.K3.G	10
1x	9.0	14.0	23.8	26.2	25.0	1919.SPP.K4.G	10
1x	12.0	16.5	23.8	26.2	25.0	1919.SPP.K5.G	10





1919.SPP.M – small “membrane field” grommets

Grommets of the 1919.SPP.M series have a dual function: They can be installed in 191x-series splittable frames to serve initially as blanking grommets that can later accommodate the feedthrough of multiple cables without pre-fitted connectors, or they can already accommodate the feedthrough of such cables when installed. The double membrane ensures optimal water and dust protection.

- Membrane-type grommets for cables without connectors
- Can be used in all 191x-series frames
- Colour: Grey
- UL 94 V-0



Further information

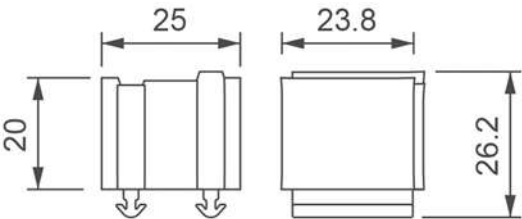


Product images

1919.SPP.M versions

1919.SPP.M4.G	1919.SPP.M4B.G
	
$\varnothing >$	$\varnothing >$
4x 6.0	2x 3.0
	2x 7.0

Dimensioned drawing 1919.SPP.M



Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C



A mm	B mm	C mm	Art.-No.	
23.8	26.2	25.0	1919.SPP.M4.G	10
23.8	26.2	25.0	1919.SPP.M4B.G	10

1919.SPP.P – small pyramid-shaped grommets, for cables of various diameters and without pre-fitted connectors

Grommets of the 1919.SPP.P series are suitable for use with cables without connectors. The cone is cut at the level corresponding to the diameter range within which the cable diameter falls. The cable can be additionally secured using a cable tie.

- Universal solution for cables without connectors, with cable diameter 2 to 14 mm
- Can be used in all 191x-series frames
- Colour: Grey
- UL 94 V-0

 **IP66**

NEMA 12, 4X

 **EN 45545-2**

 **RoHS COMPLIANT**

 **UL 94 V0**

 **ISO 4892-2A**

 **UL TYPE 12, 4X**

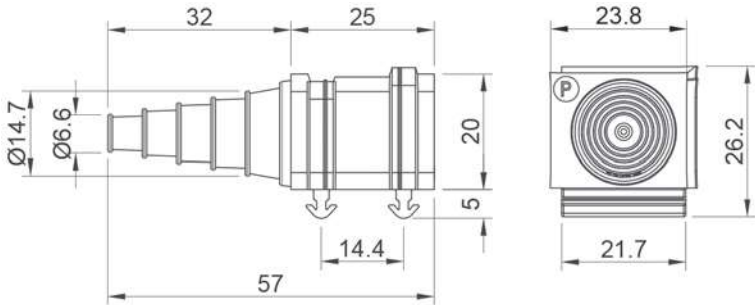


Further information

Dimensioned drawing 1919.SPP.P



Product image



Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C

	Ø min mm	Ø max mm	A mm	B mm	C mm	Art.-No.	
1	3.0	14.0	23.8	26.2	14.4	1919.SPP.PG	10
1	3.0	14.0	23.8	26.2	14.4	1919.SPP.PGT	10





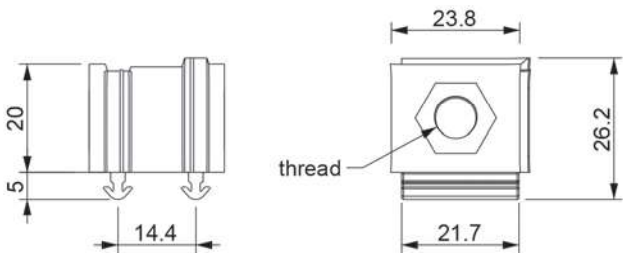
1919.SPP.F – small cable grommets with threaded inserts

The 1919.SPP.F series features metric threaded inserts, allowing quick-attach pneumatic connectors or M8 to M16 connectors to be attached directly to the grommet. The optional plug-in system adds to the flexibility of the cable and pneumatic hose design.

- Small grommets with threaded inserts
- Connectors not included
- Colour: Grey

IP65 NEMA 12  UL94 V0  RoHS COMPLIANT  ISO 4892-2A

Dimensioned drawing 1919.SPP.F



Material:	TPE, brass insert
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C



I	A mm	B mm	C mm	Art.-No.	
M8 x 0.5	23.8	26.2	25.0	1919.SPP.F8G	10
M12 x 1.0	23.8	26.2	25.0	1919.SPP.F12.G	10
M16 x 1.5	23.8	26.2	25.0	1919.SPP.F16.G	1

1919.SPP.VENT – small cable grommets with pressure balance valve

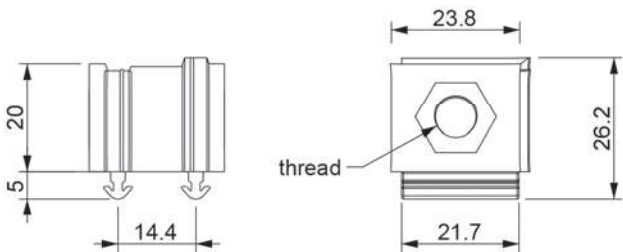
1919.SPP.VENT is a pressure-compensating grommet that may be recommended for installations where pressure differences must be avoided. The pressure relief grommet is installed in a 191x-series frame and, thanks to its valve, equalises the pressure on each side, preventing temperature differences and condensation. The vent-type element has an M12x1.5 thread and may be removed to facilitate the use of threaded connectors and sensors.

- Quick installation
- Metric thread size M12
- Colour: Grey

IP65   



Dimensioned drawing 1919.SPP.VENT



Material: TPE, brass insert
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +110 °C

I	A mm	B mm	C mm	Art.-No.	
M12 x 1	23.8	26.2	32.0	1919.SPP.VENT.G	1



1919.SPG – large cable grommets



1919.SPG-series cable grommets, installed in 191x-series split frames, facilitate the routing of cables with a diameter of 17 to 35 mm.

- Universal solution for cables of diameter 17 to 35 mm
- Blanking-type cable grommets available
- Colour: Grey
- UL 94 V-0
- Splittable grommets



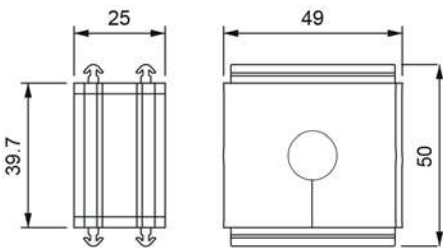
Further information



Product images



Dimensioned drawing 1919.SPG



Material:

Properties:

Flammability:

Operating temperature:

TPE

Halogen-free, silicone-free

Self-extinguishing in accordance with UL 94 V-0

-40 °C / +110 °C



	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
0	-	-	49.0	50.0	25.0	1919.SPG.0.G	10
1x	17.0	18.0	49.0	50.0	25.0	1919.SPG.17.G	10
1x	18.0	19.0	49.0	50.0	25.0	1919.SPG.18.G	10
1x	19.0	20.0	49.0	50.0	25.0	1919.SPG.19.G	10
1x	20.0	21.0	49.0	50.0	25.0	1919.SPG.20.G	10
1x	21.0	22.0	49.0	50.0	25.0	1919.SPG.21.G	10
1x	22.0	23.0	49.0	50.0	25.0	1919.SPG.22.G	10
1x	23.0	24.0	49.0	50.0	25.0	1919.SPG.23.G	10
1x	24.0	25.0	49.0	50.0	25.0	1919.SPG.24.G	10
1x	25.0	26.0	49.0	50.0	25.0	1919.SPG.25.G	10
1x	26.0	27.0	49.0	50.0	25.0	1919.SPG.26.G	10
1x	27.0	28.0	49.0	50.0	25.0	1919.SPG.27.G	10
1x	28.0	29.0	49.0	50.0	25.0	1919.SPG.28.G	10
1x	29.0	30.0	49.0	50.0	25.0	1919.SPG.29.G	10
1x	30.0	31.0	49.0	50.0	25.0	1919.SPG.30.G	10
1x	31.0	32.0	49.0	50.0	25.0	1919.SPG.31.G	10
1x	32.0	33.0	49.0	50.0	25.0	1919.SPG.32.G	10
1x	33.0	34.0	49.0	50.0	25.0	1919.SPG.33.G	10
1x	34.0	35.0	49.0	50.0	25.0	1919.SPG.34.G	10

1919.SPG.K – large cable grommets with extra flexibility in terms of cable diameter, for cables without pre-fitted connectors

1919.SPG.K-series grommets for single cables offer extra flexibility in terms of cable diameter. Installed in 191x-series split frames, they facilitate the feedthrough of cables without pre-fitted connectors, for cables up to 30 mm in diameter (K1, K2, K3). Thanks to their double membrane, protection class IP 66 is achieved.

- K1, K2 and K3 for single cables of diameter 16 to 30 mm
- Blanking-type cable grommets available
- Colour: Grey
- UL 94 V-0

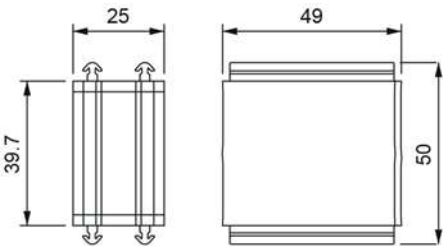


Further information



Product image

Dimensioned drawing 1919.SPG.K



Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C

	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
0x	0.0	32.0	49.0	50.0	25.0	1919.SPG.K0.G	10
1x	16.0	22.0	49.0	50.0	25.0	1919.SPG.K1.G	10
1x	23.0	26.0	49.0	50.0	25.0	1919.SPG.K2.G	10
1x	26.0	30.0	49.0	50.0	25.0	1919.SPG.K3.G	10





1919.SPG.M – large “membrane field” grommets

1919.SPG.M-series cable grommets, installed in 1910-series split frames, facilitate the feedthrough of a large number of cables without connectors. Each cable is simply pushed through the front membrane, and the second membrane enhances strain relief and IP protection.

- Membrane-type grommets for cables without connectors
- May be used by numerous cables
- Colour: Grey
- UL 94 V-0
- Strain relief in accordance with EN 62444

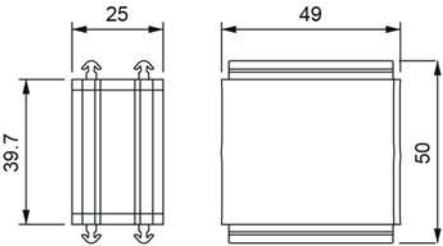


Further information



Product image

Dimensioned drawing 1919.SPG.M



1919.SPG.M7.G	1919.SPG.M9.G	1919.SPG.M14.G	1919.SPG.M15.G
>Ø< 1x 9.5 2x 5.0 4x 13.5	>Ø< 9x 8.0	>Ø< 12x 6.5 2x 12.0	>Ø< 15x 7.0

Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +110 °C



A mm	B mm	C mm	Art.-No.	
49.0	50.0	25.0	1919.SPG.M7.G	10
49.0	50.0	25.0	1919.SPG.M9.G	10
49.0	50.0	25.0	1919.SPG.M14.G	10
49.0	50.0	25.0	1919.SPG.M15.G	10

1919.SPG.P – large pyramid-shaped grommets, for cables of various diameters and without pre-fitted connectors

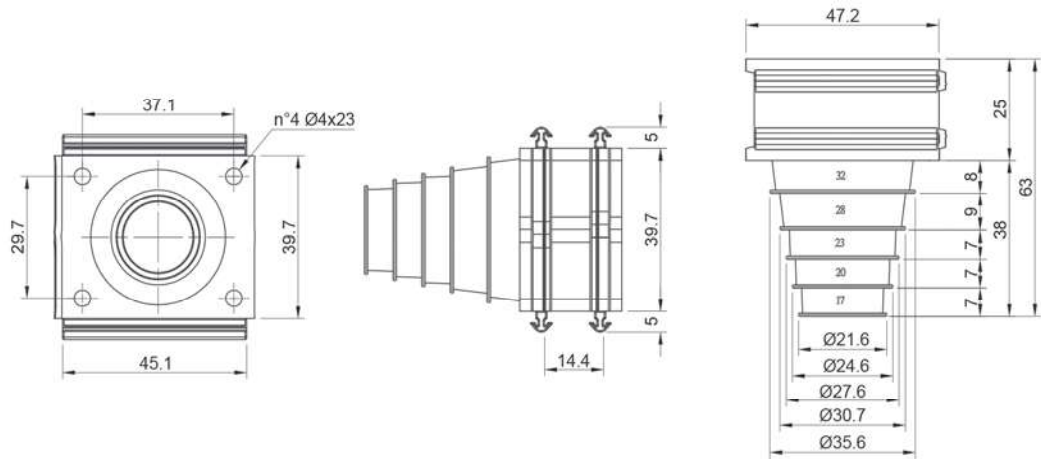
Grommets of the 1919.SPG.P series are suitable for cables without connectors. The cone is cut at the level corresponding to the cable diameter. The cable can be additionally secured using a cable tie.

- Universal solution for cables without connectors, with cable diameter 17 to 33 mm
- Blanking-type cable grommets available
- Can be used in all 191x-series frames
- Colour: Grey
- UL 94 V-0



IP66 **NEMA 12, 4X** **EN 45545-2 HL 3** **UL94 V0** **ISO 9893-2A** **RoHS COMPLIANT**

Dimensioned drawing 1919.SPG.P



Material: TPE
Properties: Halogen-free, silicone-free
Flammability: Self-extinguishing in accordance with UL 94 V-0
Operating temperature: -40 °C / +110 °C

	Ø	Ø	A	B	C	Art.-No.	
min mm	max mm	mm	mm	mm	mm		
1x	17.0	33.0	45.1	39.7	14.4	1919.SPG.PG	10





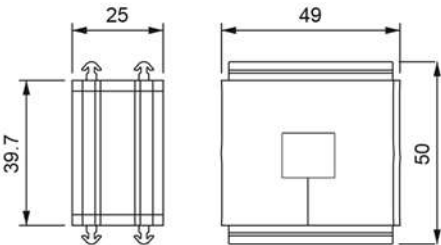
1919.SPG.Y – Adapter grommets, large to small

1919.SPG.Y-series grommets are large grommets that facilitate the installation of a single smaller grommet. They are used to eliminate the need for blanking-type grommets or to reduce the number of grommets used.

- Adapter enabling a small grommet to be placed in a larger space
- UL 94 V-0
- Splittable
- Colour: Grey

IP54 **NEMA 12, 4X** **EN 45545-2 HL 3** **UL TYPE 12, 4X** **RoHS COMPLIANT**

Dimensioned drawing 1919 SPG.Y



Material:	TPE
Properties:	Halogen-free, silicone-free
Flammability:	Self-extinguishing in accordance with UL 94 V-0
Operating temperature:	-40 °C / +120 °C



A mm	B mm	C mm	Art.-No.	
49.0	50.0	25.0	1919.SPG.Y.G	10

1919.SPP.C – small cable grommets for hygienic applications

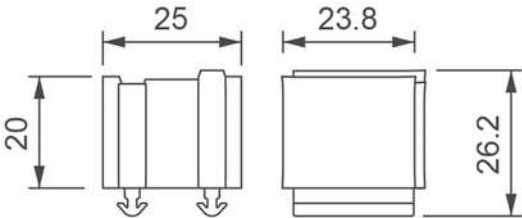
1919.SPP.C-series cable grommets allow cables with a diameter of 2 to 17 mm to be routed through split frames of the 1915 series. The 2X and 4X versions allow multiple cables to be routed through the same grommet.

- Blanking-type cable grommets available
- FDA-certified material
- Colour: Blue
- UL 94 HB
- Splittable grommets

IP66 **FDA** **UL94-HB** **RoHS**



Dimensioned drawing 1919.SPP.C



Material: TPE, certified in accordance with FDA 21 CFR 177.2600
Properties: Halogen-free, silicone-free
Flammability: UL 94 HB
Operating temperature: -40 °C / +80 °C

- Universal solution for cables of diameter 2 to 17 mm

	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
0x	-	-	23.8	26.2	25.0	1919.SPP.0.C	10
1x	2.0	3.0	23.8	26.2	25.0	1919.SPP.2.C	10
1x	16.0	17.0	23.8	26.2	25.0	1919.SPP.16.C	10



- Universal solution for cables of diameter 2 to 8 mm

	Ø	A	B	C	Art.-No.	
	mm	mm	mm	mm		
2x	2.0	23.8	26.2	25.0	1919.SPP.2X2.C	10
2x	3.0	23.8	26.2	25.0	1919.SPP.2X3.C	10
2x	4.0	23.8	26.2	25.0	1919.SPP.2X4.C	10
2x	5.0	23.8	26.2	25.0	1919.SPP.2X5.C	10
2x	6.0	23.8	26.2	25.0	1919.SPP.2X6.C	10
2x	7.0	23.8	26.2	25.0	1919.SPP.2X7.C	10
2x	8.0	23.8	26.2	25.0	1919.SPP.2X8.C	10



- Universal solution for cables of diameter 2 to 6 mm

	Ø	A	B	C	Art.-No.	
	mm	mm	mm	mm		
4x	2.0	23.8	26.2	25.0	1919.SPP.4X2.C	10
4x	3.0	23.8	26.2	25.0	1919.SPP.4X3.C	10
4x	4.0	23.8	26.2	25.0	1919.SPP.4X4.C	10
4x	5.0	23.8	26.2	25.0	1919.SPP.4X5.C	10
4x	6.0	23.8	26.2	25.0	1919.SPP.4X6.C	10



Subject to modifications.





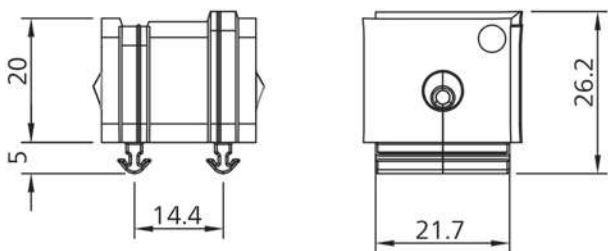
1919.SPP.R.C – small cable grommets with extra flexibility in terms of cable diameter, for hygienic applications

1919.SPP.R.C-series cable grommets allow cables with a diameter of 3 to 15 mm to be routed through split frames of the 1915 series.

- FDA-certified material
- Colour: Blue
- UL 94 HB
- Splittable grommets

IP66 **FDA** **UL94-HB** **RoHS**
COMPLIANT COMPLIANT COMPLIANT COMPLIANT

Dimensioned drawing 1919.SPP.R.C



Material:	TPE, certified in accordance with FDA 21 CFR 177.2600
Properties:	Halogen-free, silicone-free
Flammability:	UL 94 HB
Operating temperature:	-40 °C / +80 °C



	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
1x	3.0	6.0	24.1	26.2	25.0	1919.SPP.R1.C	10
1x	6.0	9.0	24.1	26.2	25.0	1919.SPP.R2.C	10
1x	9.0	12.0	24.1	26.2	25.0	1919.SPP.R3.C	10
1x	12.0	15.0	24.1	26.2	25.0	1919.SPP.R4.C	10

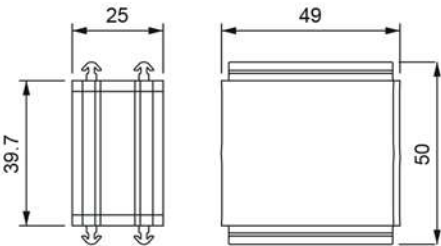
1919.SPG.C – large cable grommets for hygienic applications

1919.SPG.C-series cable grommets allow cables with a diameter of 18 to 35 mm to be routed through split frames of the 1915 series.

- Grommets for cables of diameter 18 to 35 mm
- Blanking-type cable grommets available
- FDA-certified material
- Colour: Blue
- Splittable grommets



Dimensioned drawing 1919.SPG.C



Material: TPE, certified in accordance with FDA 21 CFR 177.2600
Properties: Halogen-free, silicone-free
Flammability: UL 94 HB
Operating temperature: -40 °C / +80 °C

	Ø	Ø	A	B	C	Art.-No.	
	min mm	max mm	mm	mm	mm		
0x	-	-	49.0	50.0	25.0	1919.SPG.0.C	10
1x	18.0	19.0	49.0	50.0	25.0	1919.SPG.18.C	10
1x	19.0	20.0	49.0	50.0	25.0	1919.SPG.19.C	10
1x	20.0	21.0	49.0	50.0	25.0	1919.SPG.20.C	10
1x	21.0	22.0	49.0	50.0	25.0	1919.SPG.21.C	10
1x	22.0	23.0	49.0	50.0	25.0	1919.SPG.22.C	10
1x	23.0	24.0	49.0	50.0	25.0	1919.SPG.23.C	10
1x	24.0	25.0	49.0	50.0	25.0	1919.SPG.24.C	10
1x	25.0	26.0	49.0	50.0	25.0	1919.SPG.25.C	10
1x	26.0	27.0	49.0	50.0	25.0	1919.SPG.26.C	10
1x	27.0	28.0	49.0	50.0	25.0	1919.SPG.27.C	10
1x	28.0	29.0	49.0	50.0	25.0	1919.SPG.28.C	10
1x	29.0	30.0	49.0	50.0	25.0	1919.SPG.29.C	10
1x	30.0	31.0	49.0	50.0	25.0	1919.SPG.30.C	10
1x	31.0	32.0	49.0	50.0	25.0	1919.SPG.31.C	10
1x	32.0	33.0	49.0	50.0	25.0	1919.SPG.32.C	10
1x	33.0	34.0	49.0	50.0	25.0	1919.SPG.33.C	10
1x	34.0	35.0	49.0	50.0	25.0	1919.SPG.34.C	10

