



Cable entry systems

EMC cable clamps



ZG Technology Co., LTD

Version 26-03

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Company profile

Our company specializes in the field of cable cabinet through-hole sealing and electrical connection. With technological innovation as the core driving force, we provide innovative and high-value solutions and high-quality products to global customers.

We focus on the core needs of customers in industrial automation, energy storage, photovoltaic, wind power and other new energy fields, and have built a complete product matrix centered on cable sealing and complemented by electrical connection. All products have independent intellectual property rights and have accumulated multiple national invention patents, utility model patents and design patents. Our technical strength is solid and the product performance is reliable.

The company has always adhered to the brand concept of "reliable technology, ultimate sealing", driving technological innovation based on customer pain points. With rich project experience, mature customized solutions and rapid response services throughout the process, we have become a core supplier for many leading enterprises at home and abroad. In the future, we will continue to deepen the research and development of cable sealing systems, build a leading technology foundation to strengthen the safety defense of equipment, and help global energy transformation. Let the storage and transmission of every kilowatt-hour of electricity be safer, more efficient and more reliable.

Why do you choose us?

- Efficient solutions and excellent quality
- Flexible custom development capabilities
- Strict product extreme testing
- Agile production delivery system
- Fast response service all day long



Separable cable entry sealing system



Our modular separable cable sealing system is characterized by its separable frame and separable sealing module. It offers a fast, convenient and cost-saving way to introduce both end-capped and standard cables. The separable frame and separable sealing module prevent customers from removing the cable ends when threading the cables into the chassis, thus ensuring the quality of the cable assembly.

By closing the upper and lower parts of the cable introduction frame, high contact pressure is generated between the sealing module and the wire. In most cases, the cable can achieve stress release, and the sealing protection level ranges from IP54 up to IP66/IP68/UL 4X (depending on the type) in accordance with the EN62444 standard. These individual sealing modules have various shapes and are suitable for various different cable diameters (1-75mm). With over 1,000 possible configurations, it can provide an ideal solution for your actual application, making the cable infrastructure more flexible and durable.

At the same time, based on standard openings of rectangles and circles, when the protection level does not reach IP54, we also provide separable and non-separable dust-proof sealing brush plates for cable introduction, which is an economical and efficient solution.

Product Advantages

- Solve the problems of difficult vias and sealing for cable components with ends
- System upgrades and maintenance have become simple and fast.
- Easy to operate without special tools.
- Space saving, high mounting density, wide range of frame and core-piercing models available

Stress relief designed in accordance with EN62444 standard.

- It has high stability and shock resistance.
- Wide range of products - suitable for the design of various application scenarios.



Cable entry system

Separable cable sealing system

Introduction of ZG-CSF series products

Separable cable sealing system, used for wiring and sealing cables with connectors, providing IP54/UL12 protection and stress relief, applicable to cable diameters ranging from 1 to 17 mm and 16 to 35 mm. The separable cable sealing system is easy to install. The cable sealing module is placed in the frame compartment and maintains reliable stability during assembly. The ZG-CSF series frame matches the opening dimensions of 10-pin, 16-pin and 24-pin standard heavy-duty connectors. You can choose a 36mm or 46mm high opening, depending on the cable being wired. The ZG-CSF-B frame matches the opening dimensions of 46×46 mm measuring instruments. The single-row version ZG-CSF0X series is particularly suitable for flat connectors. The small frame is very suitable for applications in narrow spaces. The single-hole sealing module of the CSF series is compatible with cable outer diameters with a tolerance of 2mm, and the multi-hole sealing module is compatible with cable outer diameters with a tolerance of 1mm, while ensuring the product's sealing performance.

Product Specifications

Material: Polyamide (PA)

Flame retardant class: UL94-V0, self-extinguishing

IP Rating: IP54

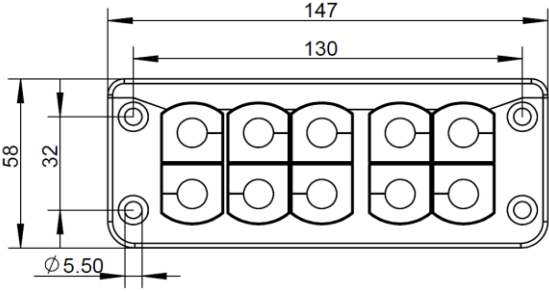
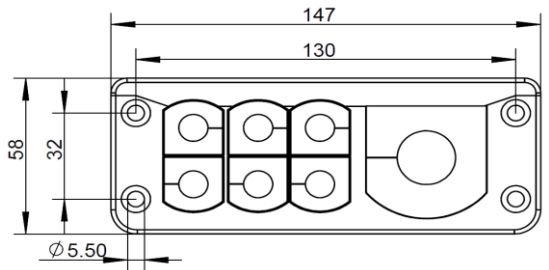
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Color: Black (can be customized)

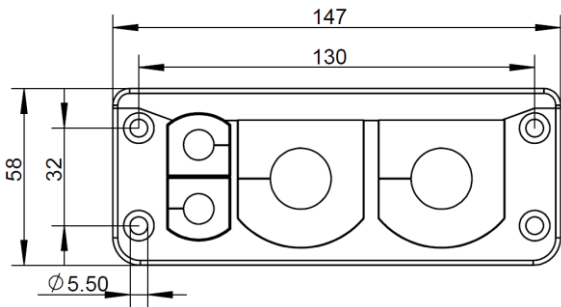
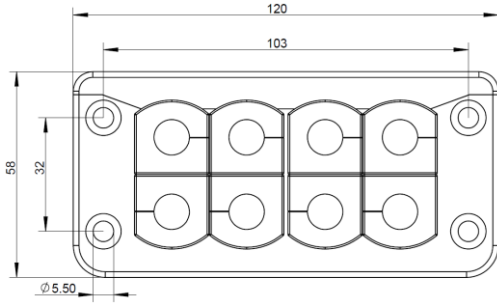
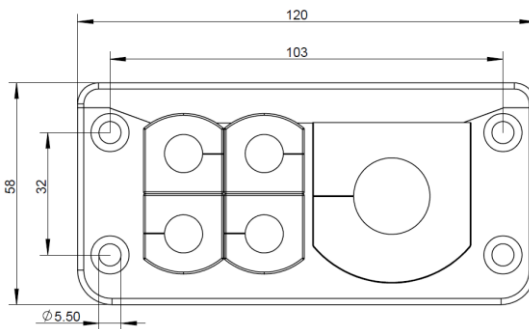
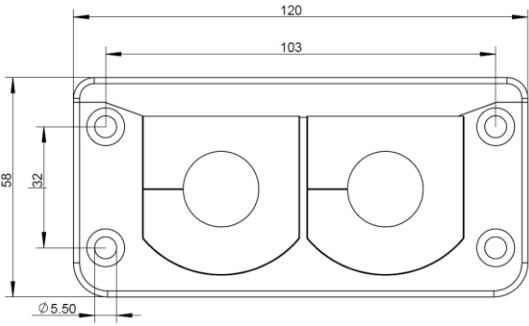
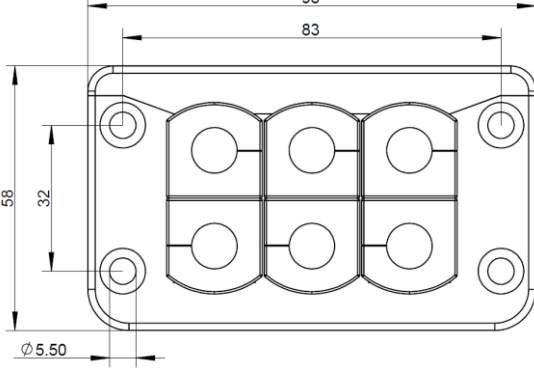
Operating temperature: -40°C~+140°C

Height: 17 mm

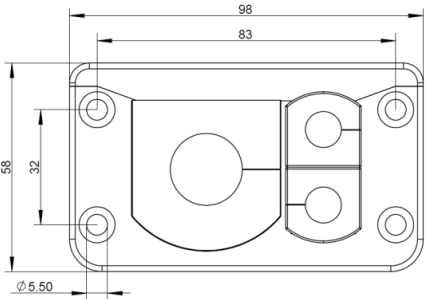
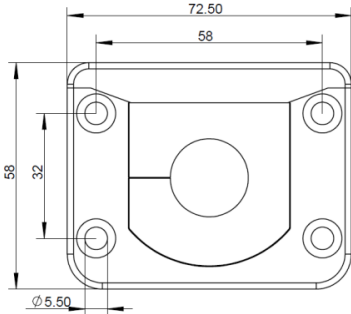
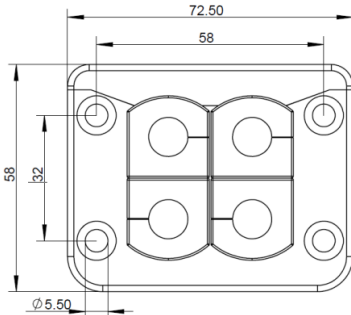
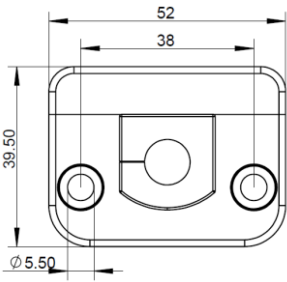
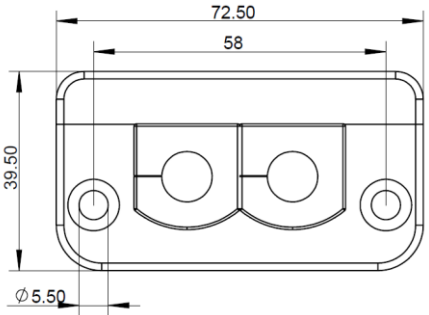
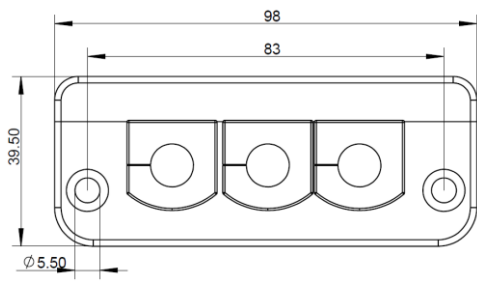


Overall dimension	Product Model	IP level	sealing units	
			Small	Big
	ZG-CSF0A	IP54	10	
	ZG-CSF0A-304	IP54	10	
	ZG-CSF16	IP54	6	1
	ZG-CSF16-304		6	1



	ZG-CSF22	IP54	2	2
	ZG-CSF22-304		2	2
	ZG-CSF08	IP54	8	
	ZG-CSF08-304		8	
	ZG-CSF14	IP54	4	1
	ZG-CSF14-304		4	1
	ZG-CSF20	IP54		2
	ZG-CSF20-304			2
	ZG-CSF06	IP54	6	
	ZG-CSF06-304		6	
	ZG-CSF12	IP54	2	1



	ZG-CSF12-304		2	1
	ZG-CSF-B1	IP54		1
	ZG-CSF-B1-304			1
	ZG-CSF-B4	IP54	4	
	ZG-CSF-B4-304		4	
	ZG-CSF01	IP54	1	
	ZG-CSF01-304	IP54	1	
	ZG-CSF02	IP54	2	
	ZG-CSF02-304		2	
	ZG-CSF03	IP54	3	
	ZG-CSF03-304		3	



	ZG-CSF04	IP54	4	
	ZG-CSF04-304		4	
	ZG-CSF05	IP54	5	
	ZG-CSF05-304		5	

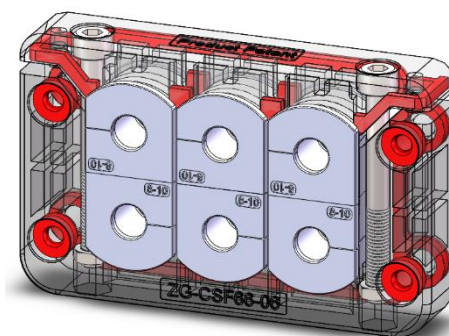
Accessories

BS sealing module - IP54

ST plug cap

Introduction of ZG-CSH series products

Separable cable sealing system, used for wiring and sealing cables with connectors, providing IP65-IP67 protection and stress relief. Applicable to cable diameters ranging from 1 to 17 mm and 16 to 35 mm. The red part in the figure is the core sealing structure for achieving the high IP67 protection level. Together with the IP67 sealing module, it is placed in the frame compartment, after locking the screws, to achieve reliable protection level. The CSH series single-hole sealing module is compatible with cable outer diameters with a tolerance of 2mm, while the multi-hole sealing module is compatible with cable outer diameters with a tolerance of 1mm, ensuring the product's sealing performance. The ZG-CSH series frame is fully compatible with the opening dimensions of 10-pin, 16-pin and 24-pin standard heavy-duty connectors. You can choose a 36mm or 46mm high opening, depending on the cable being wired. The ZG-CSH-B frame matches the opening size of 46×46 mm measuring instruments. The single-row version ZG-CSH0X series is particularly suitable for flat connectors. The small frame is very suitable for applications in narrow spaces.



Product Specifications

Material: Polyamide (PA)

Flame retardant class: UL94-V0, self-extinguishing

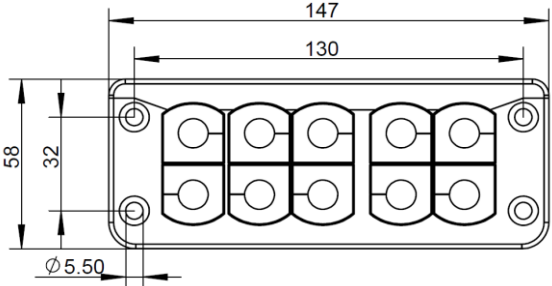
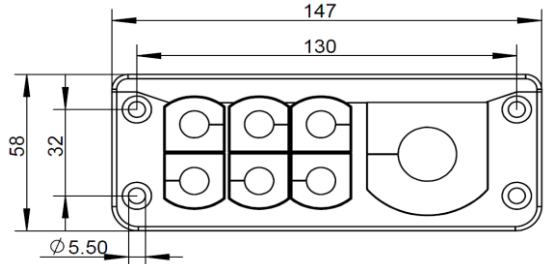
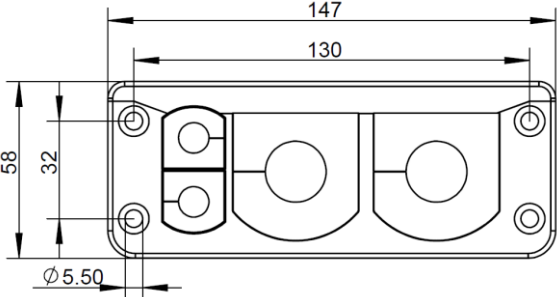
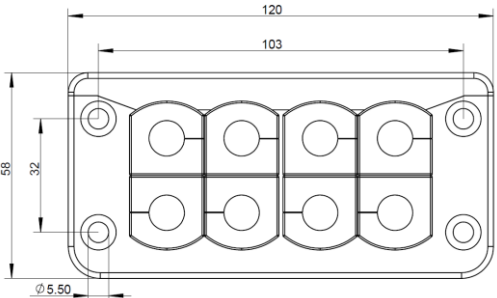
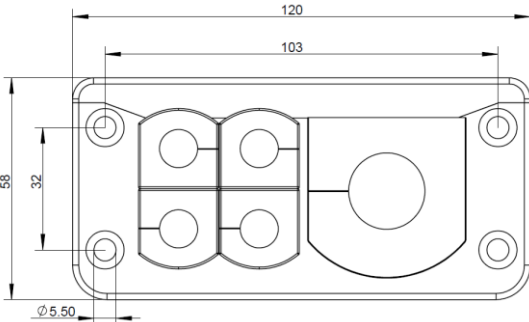
IP Rating: IP65/IP66/IP67 (Use corresponding IPXX and select the sealing module specification correctly)

UL Type Grade: UL4X (compliant with UL50E)

Color: Black (can be customized)

Operating temperature: -40°C~+140°C

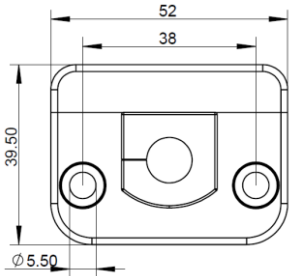
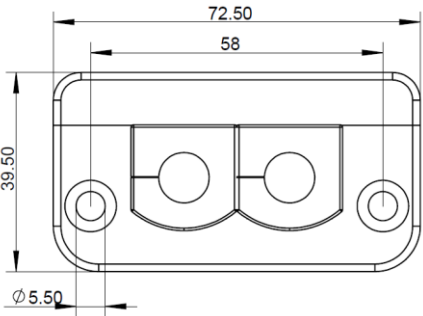
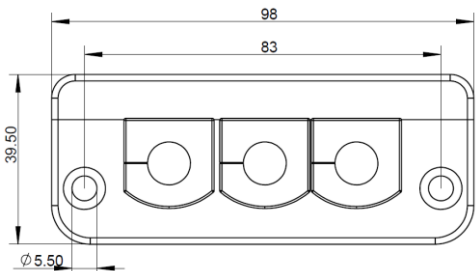
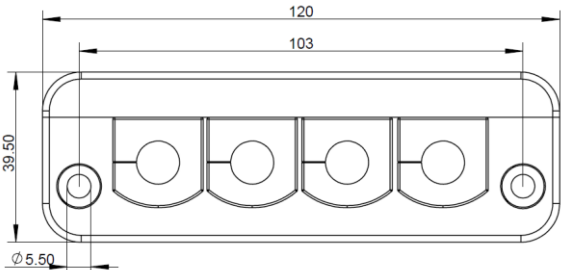
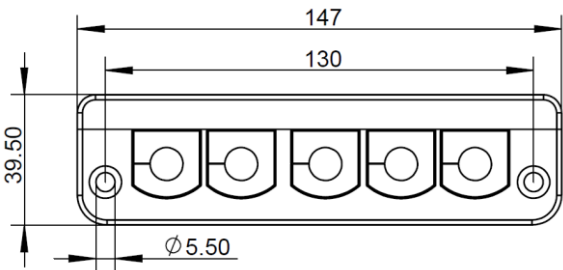
Height: 17 mm

Overall dimension	Product Model	IP level	sealing units	
			Small	Big
	ZG-CSH0A	IP65/IP66/IP67	10	
	ZG-CSH0A-304		10	
	ZG-CSH16	IP65/IP66/IP67	6	1
	ZG-CSH16-304		6	1
	ZG-CSH22	IP65/IP66/IP67	2	2
	ZG-CSH22-304		2	2
	ZG-CSH08	IP65/IP66/IP67	8	
	ZG-CSH08-304		8	
	ZG-CSH14	IP65/IP66/IP67	4	1
	ZG-CSH14-304		4	1



	ZG-CSH20	IP65/IP66/IP67		2
	ZG-CSH20-304			2
	ZG-CSH06	IP65/IP66/IP67	6	
	ZG-CSH06-304		6	
	ZG-CSH12	IP65/IP66/IP67	2	1
	ZG-CSH12-304		2	1
	ZG-CSH-B1	IP65/IP66/IP67		1
	ZG-CSH-B1-304			1
	ZG-CSH-B4	IP65/IP66/IP67	4	
	ZG-CSH-B4-304		4	



	ZG-CSH01	IP65/IP66/IP67	1	
	ZG-CSH01-304		1	
	ZG-CSH02	IP65/IP66/IP67	2	
	ZG-CSH02-304		2	
	ZG-CSH03	IP65/IP66/IP67	3	
	ZG-CSH03-304		3	
	ZG-CSH04	IP65/IP66/IP67	4	
	ZG-CSH04-304		4	
	ZG-CSH05	IP65/IP66/IP67	5	
	ZG-CSH05-304		5	

Accessories

BS Sealing Module - IP65/IP66

BS Sealing Module - IP67

ST plug cap

Introduction of ZG-CSFxx-1 series products

The cables with high-voltage DC connectors in the energy storage cabinet cannot pass through holes and be sealed. Moreover, the cable diameter tolerance is relatively large, usually with a tolerance of 2mm. The separable cable sealing system is used for wiring and sealing of cables with connectors, providing IP65/IP66 protection and stress relief. It is applicable to cable diameters ranging from 1 to 24 mm.

The ZG-CSFXX-1 frame has a small size and the sealing module is compatible with a 2mm diameter tolerance error. The cabinet opening can be compatible with the size requirements of the DC500A battery connector.



IP66

Product Specifications

Material: Polyamide (PA)

Flame retardant class: UL94-V0, self-extinguishing

IP Rating: IP65/IP66 (Use corresponding IPXX and select the sealing module specification correctly)

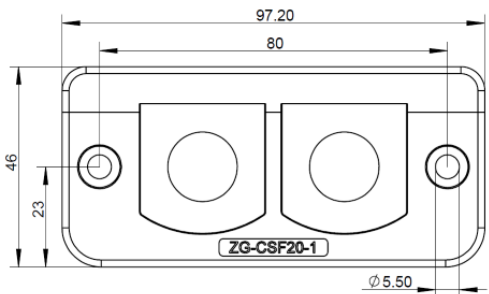
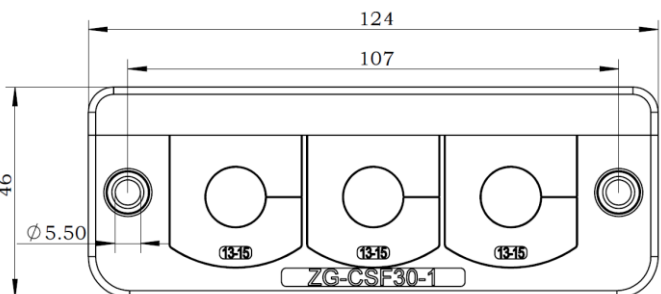
UL Type Grade: UL4X (compliant with UL50E)

Color: Black (can be customized)

Operating temperature: -40°C~+140°C

Height: 17 mm



Overall dimension	Product Model	IP level	sealing units
	ZG-CSF20-1	IP65/IP66	2
	ZG-CSF20-1-304		2
	ZG-CSF30-1	IP65/IP66	3
	ZG-CSF30-1-304		3

Accessories

MS Sealing Module - IP65/IP66

Introduction of ZG-CSFxx-1 series products

In actual cable application scenarios, issues such as the downward extension of cables and hoses from the cabinet side and the prevention of cable cutting need to be addressed. The FS90 series products can fully integrate with the CSF and CSH series frames, protecting the cables from being damaged by the cabinet, and achieving an IP66 protection level. The FS90 can be compatible with the installation and sealing of CSF and CSH02-04 as well as CSF20-1, CSF30-1 etc. frames. The detachable cable sealing system is used for wiring and sealing of cables with connectors, providing IP65/IP66 protection and stress relief, applicable to cable diameters ranging from 1 to 24 mm.



Product Specifications

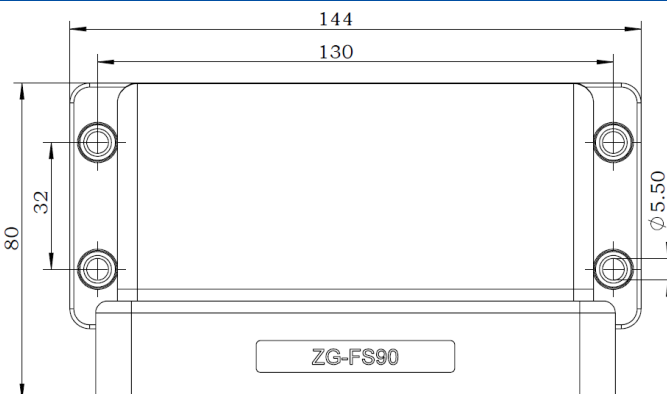
Material: Polyamide (PA)

Flame retardant grade: UL94-V0, self-extinguishing

IP rating: IP66

Color: Black (can be customized)

Operating temperature: -40°C to +140°C

Overall dimension	Product Model	Matching frame model	IP level
	ZG-FS90		IP66
	ZG-FS91	ZG-CSF/H0X	
	ZG-FS92	ZG-CSF20-1	
	ZG-FS93	ZG-CSF30-1	
	ZG-FS94	ZG-CSF/H04	

Product Advantages

Integrated sealing

Installed in the chassis in a 90-degree orientation

Mechanical protection for the cable entry point

Resistant to water stains and water droplets (IP65)

The quality of the cable end components is maintained

Perfect for use with cables with connectors (maximum Ø24mm)

Stress on the cable is eliminated in accordance with EN 62444 standards

Extremely stable and shock-resistant

Introduction of KEL series products

The KEL series cable sealing system is mainly used for sealing the pre-installed connectors. The IP protection level reaches IP54. By replacing different specifications of sealing units, it can be applied to the introduction, sealing and tightening of cables with diameters ranging from 1 to 35 mm. This new modular cable sealing system is extremely easy to install and provides reliable sealing. The sealing unit is embedded externally into the frame, and the cable is securely held inside. The frame sides are tightened with screws and can be installed on the cabinet. This series of single-hole sealing modules is compatible with cables with an outer diameter tolerance of 1 mm.

The KEL product series can perfectly integrate with the cabinet openings of standard industrial connectors.

Product Specifications

Material: Polyamide (PA)

Flame retardant grade: UL94-V0, self-extinguishing

IP rating: IP54

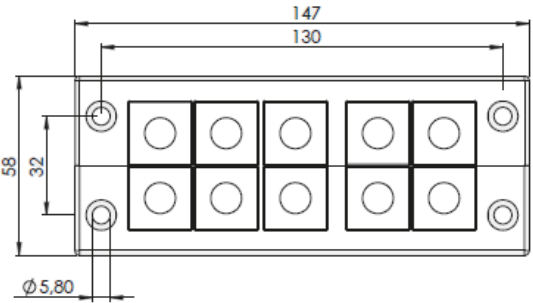
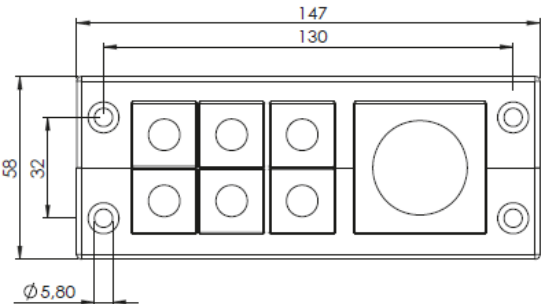
UL type rating: UL12 type (compliant with UL50E)

Color: Black (customizable as per requirements)

Operating temperature: -40°C to +140°C

Height: 17 mm



Overall dimension	Product Model	IP level	sealing units	
			Small	Big
	KEL 24 10	IP54	10	
	KEL 24 10 (Stainless steel screws)		10	
	KEL24 7	IP54	6	1
	KEL24 7 (Stainless steel screws)		6	1

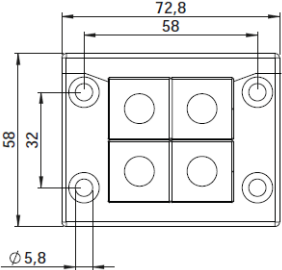
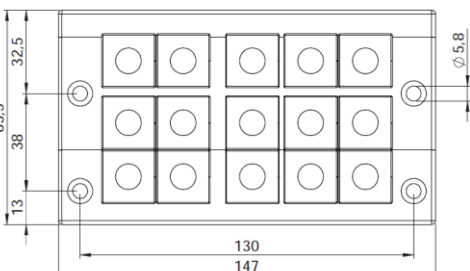
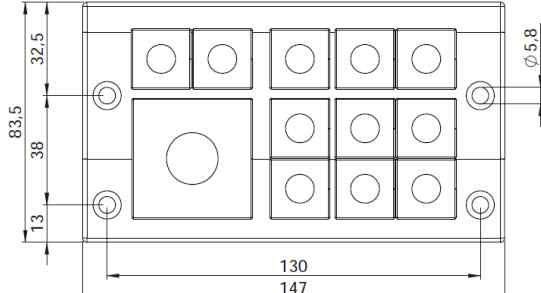
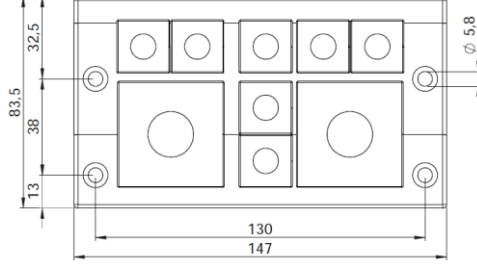
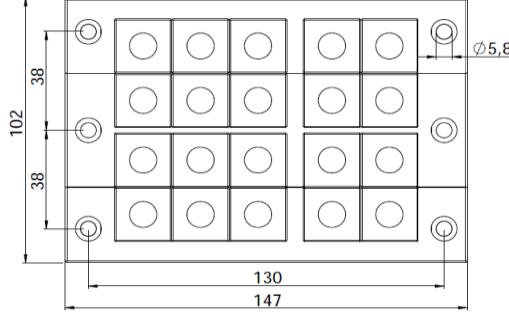
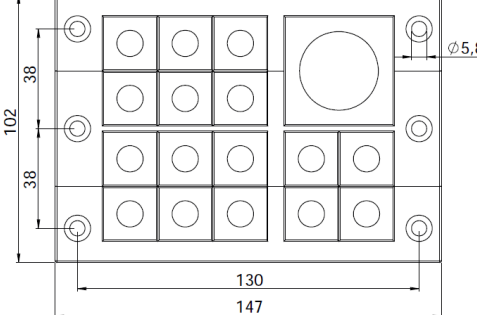


	KEL24 4	IP54	2	2
	KEL24 4 (Stainless steel screws)		2	2
	KEL 16 8	IP54	8	
	KEL 16 8 (Stainless steel screws)		8	
	KEL 16 5	IP54	4	1
	KEL 16 5 (Stainless steel screws)		4	1
	KEL 16 2	IP54		2
	KEL 16 2 (Stainless steel screws)			2
	KEL 10 6	IP54	6	
	KEL 10 6 (Stainless steel screws)		6	
	KEL 10 3	IP54	2	1
	KEL 10 3 (Stainless steel screws)		2	1

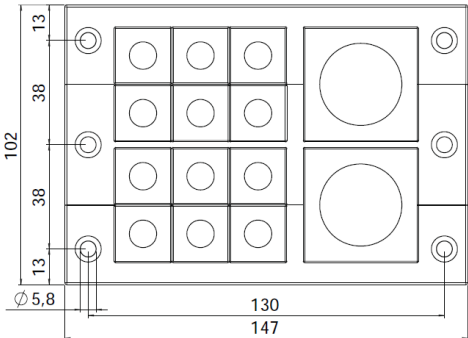
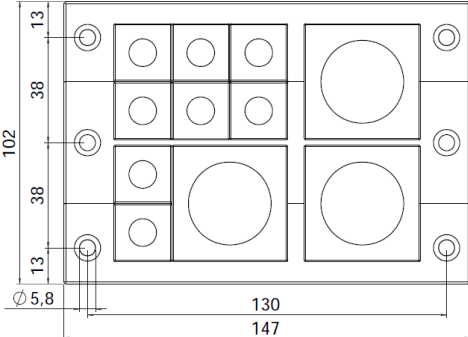
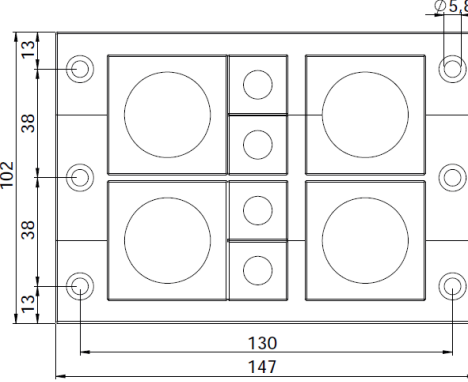
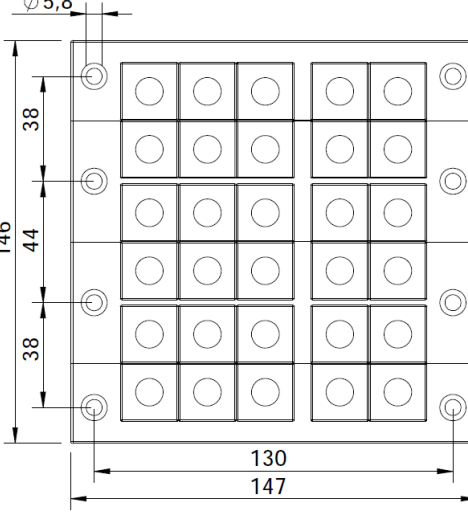


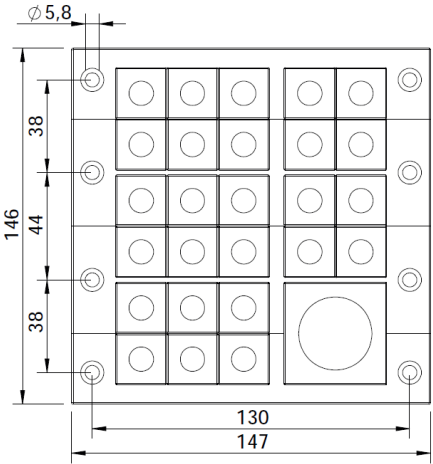
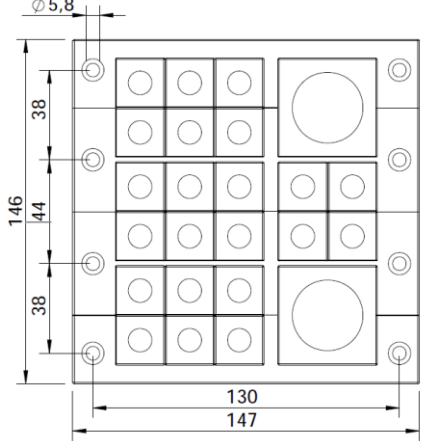
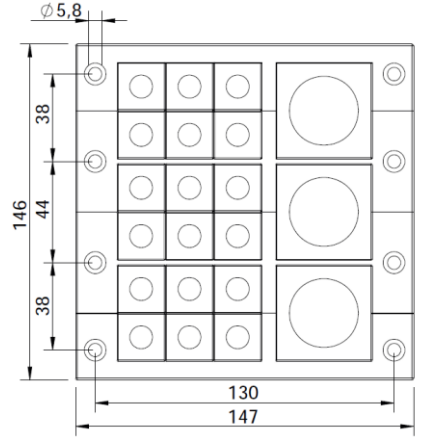
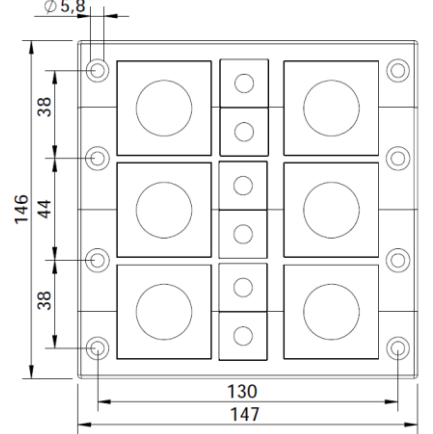
	CX-KEL1	IP54	1	
	CX-KEL1 (Stainless steel screws)		1	
	KEL-E2	IP54	2	
	KEL-E2 (Stainless steel screws)		2	
	CX-KEL3	IP54	3	
	CX-KEL3 (Stainless steel screws)		3	
	CX-KEL4	IP65	4	
	CX-KEL4 (Stainless steel screws)		4	
	KEL-E5	IP54	5	
	KEL-E5 (Stainless steel screws)		5	
	CX-KEL-B1	IP65		1
	CX-KEL-B1 (Stainless steel screws)			1



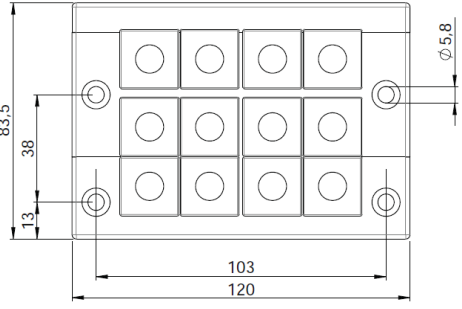
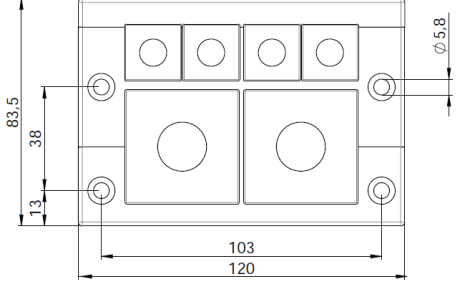
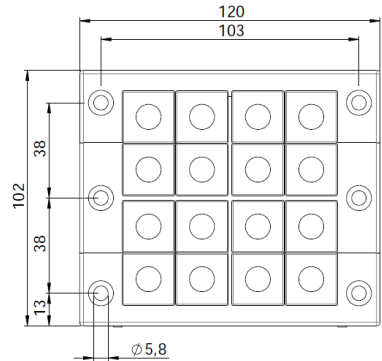
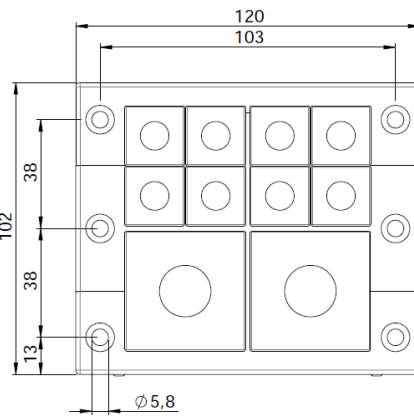
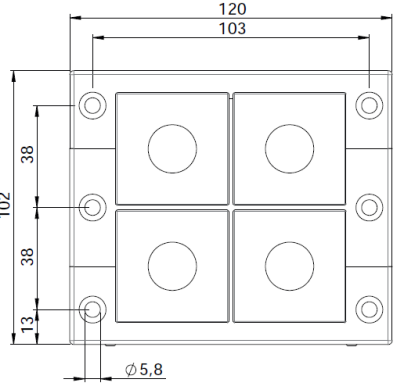
	CX-KEL-B4	IP54	4	
	CX-KEL-B4 (Stainless steel screws)		4	
	KEL 24 15-E	IP54	15	
	KEL 24 15-E (Stainless steel screws)		15	
	KEL 24 12-E	IP54	11	1
	KEL 24 12-E (Stainless steel screws)		11	1
	KEL 24 9-E	IP54	7	2
	KEL 24 9-E (Stainless steel screws)		7	2
	KEL 24 20-MT	IP54	20	
	KEL 24 20-MT (Stainless steel screws)		20	
	KEL 24 17-MT	IP54	16	1
	KEL 24 17-MT (Stainless steel screws)		16	1



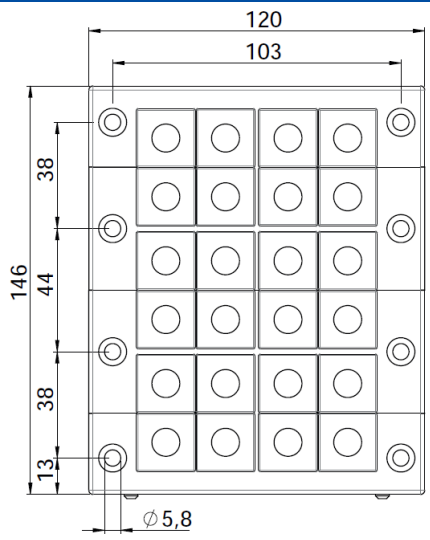
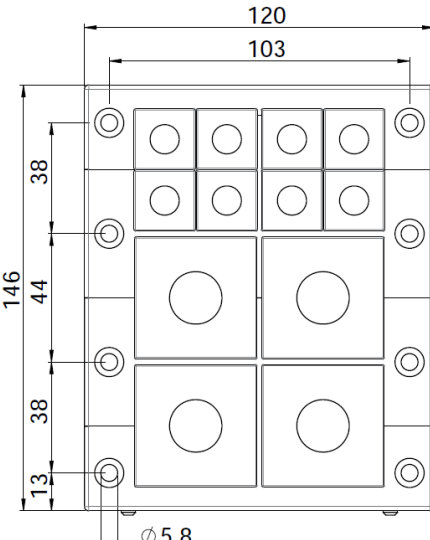
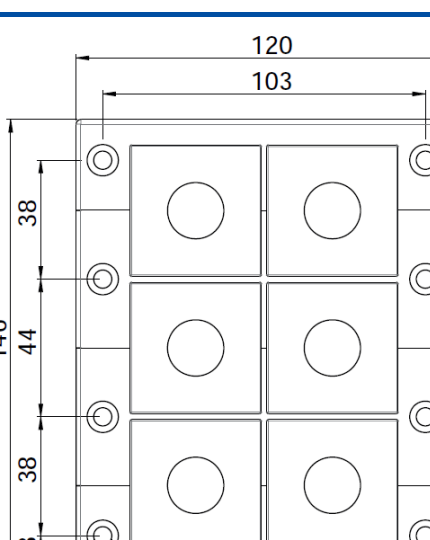
	KEL 24 14-MT	IP54	12	2
	KEL 24 14-MT (Stainless steel screws)		12	2
	KEL 24 11-MT	IP54	8	3
	KEL 24 11-MT (Stainless steel screws)		8	3
	KEL 24 8-MT	IP54	4	4
	KEL 24 8-MT (Stainless steel screws)		4	4
	KEL 24 30-2MT	IP54	30	
	KEL 24 30-MT (Stainless steel screws)		30	
	KEL 24 27-2MT	IP54	26	1

	KEL 24 27-MT (Stainless steel screws)	IP54	26	1
	KEL 24 24-2MT	IP54	22	2
	KEL 24 24-MT (Stainless steel screws)		22	2
	KEL 24 21-2MT	IP54	18	3
	KEL 24 21-MT (Stainless steel screws)		18	3
	KEL 24 12-2MT	IP54	6	6
	KEL 24 12-MT (Stainless steel screws)		6	6



	KEL 16 12-E	IP54	12	
	KEL 16 12-E (Stainless steel screws)		12	
	KEL 16 6-E	IP54	4	2
	KEL 16 6-E (Stainless steel screws)		4	2
	KEL 16 16-MT	IP54	16	
	KEL 16 16- MT (Stainless steel screws)		16	
	KEL 16 10-MT	IP54	8	2
	KEL 16 10- MT (Stainless steel screws)		8	2
	KEL 16 4-MT	IP54		4
	KEL 16 4- MT (Stainless steel screws)			4



	KEL 16 24-2MT	IP54	24	
	KEL 16 24- 2MT (Stainless steel screws)		24	
	KEL 16 12-2MT	IP54	8	4
	KEL 16 12- 2MT (Stainless steel screws)		8	4
	KEL 16 6-2MT	IP54		6
	KEL 16 6- 2MT (Stainless steel screws)			6



Separable Cable Gland

Product Introduction

The KVT series products are detachable cable clamps that can be easily and quickly installed on cables or complete cable bundles. The products include nylon clamps and nuts. To introduce D-Sub, DVI or PROFIBUS connectors, detachable cable clamps are used, and corresponding clamp nuts with the appropriate hole sizes are required.

Specification

Material: Polyethylene Terephthalate (PC)

Flame retardant grade: UL94-V0, self-extinguishing

IP rating: IP54 (with the use of sealing gaskets and the correct selection of sealing unit specifications)

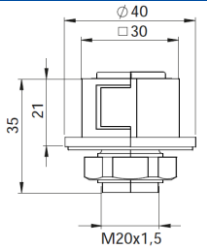
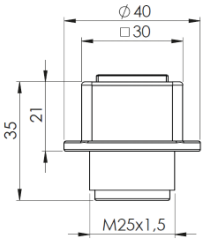
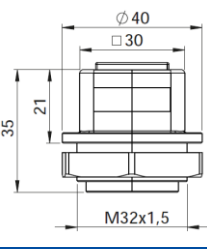
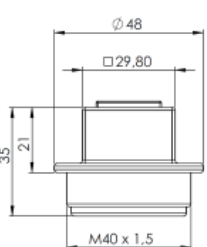
Color: White-gray (customizable as per requirements)

Operating temperature: -40°C to +100°C

Opening size: Metric standard size

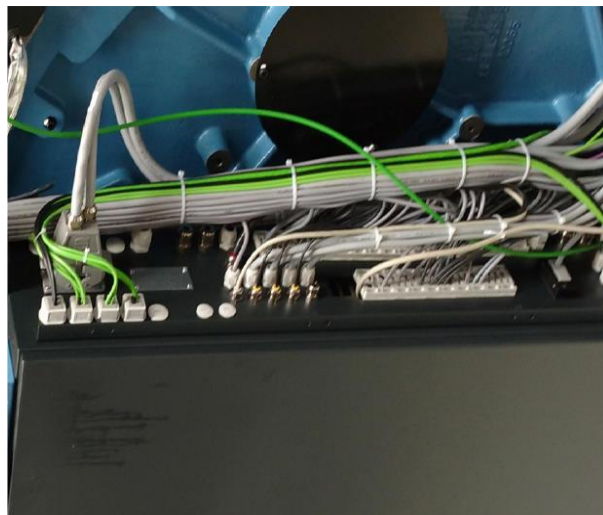
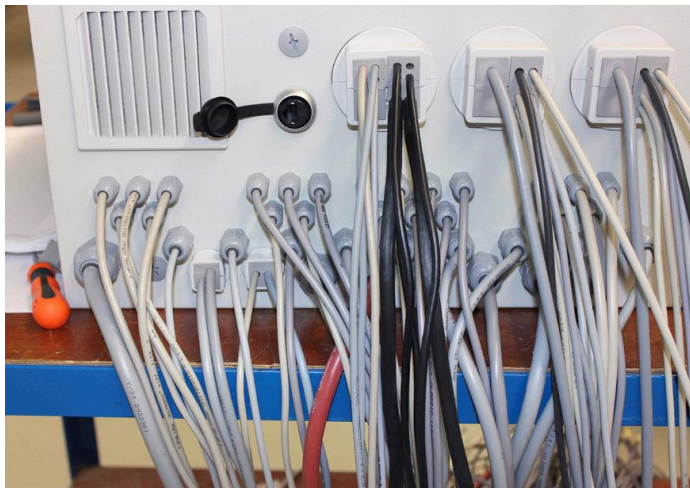
Matching sealing unit: Small KT



Overall dimension	Product Model	IP level	sealing units	
			Small	Big
	KVT-M20	IP54	1	
	KVT-M25	IP54	1	
	KVT-M32	IP54	1	
	KVT-M40	IP54	1	



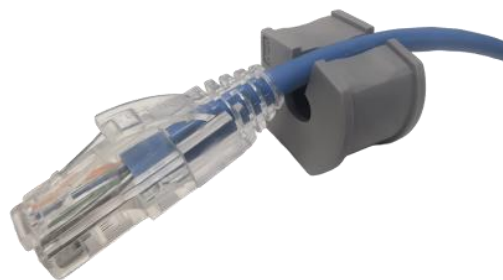
Product Application



CSF series of small grommet

Product Introduction

The innovative sealing module has addressed the problem that the cable outer diameter error of similar products on the market is only 1mm. The BS series sealing module is compatible with cable outer diameters with a tolerance of 2mm, while the MS series can be compatible with cable outer diameters with a tolerance of 2-3mm. This facilitates the use in actual working conditions and cable sealing. The entire series of sealing modules have been changed to a semi-circular shape, making it convenient to install the sealing module into the frame sealing groove, which is quick and easy.



Specification

Material: Synthetic rubber

Flame retardant grade: UL94-V0, self-extinguishing

IP protection level: IP54/IP65/IP66

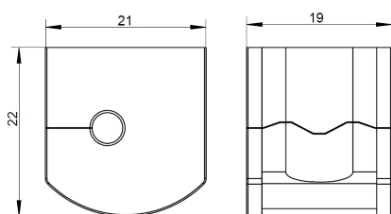
Operating temperature: -40°C to +90°C

Color: Gray/Black (customizable as per requirements)

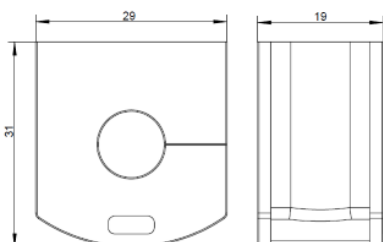
Oil resistance option available

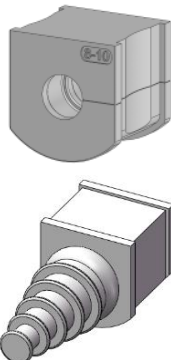
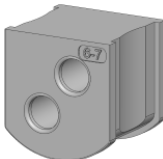
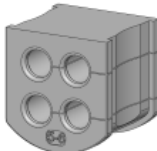
Dimensions:

MK, BS, TS, QS series dimensions



MS series dimensions:

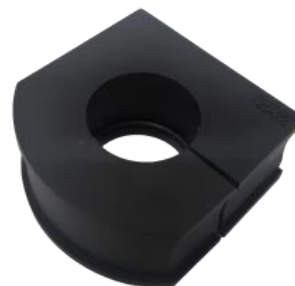


Appearance	Grey product model	Black product model	Diameter range
	MK-G	MK-B	Blind hole
	BS0103G	BS0103B	1 - 3 mm
	BS0305G	BS0305B	3 - 5 mm
	BS0407G	BS0407B	4 - 7 mm
	BS0608G	BS0608B	6 - 8 mm
	BS0810G	BS0810B	8 - 10 mm
	BS1012G	BS1012B	10 - 12 mm
	BS1113G	BS1113B	11 - 13.5 mm
	BS1315G	BS1315B	13 - 15mm
	BS1516G	BS1516B	15 - 16 mm
	BS312G	BS312B	3 - 12mm
	MS1012G	MS1012B	10 - 12mm
	MS1214G	MS1214B	12 - 14mm
	MS1315G	MS1315B	13 - 15 mm
	MS1416G	MS1416B	14 - 16 mm
	MS1618G	MS1618B	16 - 18 mm
	MS1820G	MS1820B	18 - 20 mm
	MS2022G	MS2022B	20 - 22 mm
	MS2223G	MS2223B	22 - 23.5 mm
	TS2-3G	TS2-3B	2× ø 2-3 mm
	TS3-4G	TS3-4B	2× ø 3-4 mm
	TS4-5G	TS4-5B	2× ø 4-5 mm
	TS5-6G	TS5-6B	2× ø 5-6 mm
	TS6-7G	TS6-7B	2× ø 6-7 mm
	TS7-8G	TS7-8B	2× ø 7-8 mm
	QS2-3G	QS2-3B	4× ø 2-3 mm
	QS3-4G	QS3-4B	4× ø 3-4 mm
	QS4-5G	QS4-5B	4× ø 4-5 mm
	QS5-6G	QS5-6B	4× ø 5-6 mm

CSF series of big grommet

Product Introduction

The innovative sealing module has addressed the problem that the cable outer diameter error of similar products on the market is only 1mm. The BS series sealing module is compatible with cable outer diameters with a tolerance of 2mm, while the MS series can be compatible with cable outer diameters with a tolerance of 2-3mm. This facilitates the use in actual working conditions and cable sealing. The entire series of sealing modules have been changed to a semi-circular shape, making it convenient to install the sealing module into the frame sealing groove, which is quick and easy.



Specification

Material: Synthetic rubber

Flame retardant grade: UL94-V0, self-extinguishing

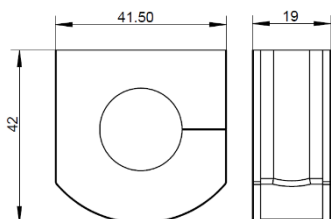
IP protection level: IP54/IP65/IP66

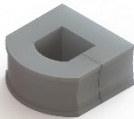
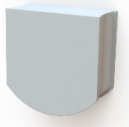
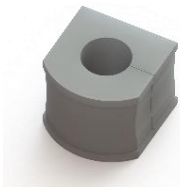
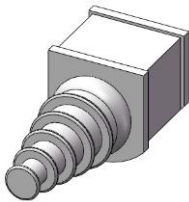
Operating temperature: -40°C to +90°C

Color: Gray/Black (customizable as per requirements)

Oil resistance option available

Dimensions:

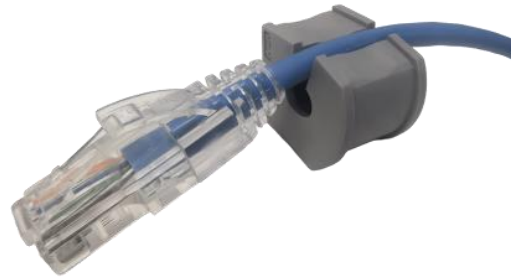


Appearance	Grey product model	Black product model	Diameter range
	TBS-G	TBS-B	Convert into small grommet
	BMK-G	BMK-B	Blind hole
	BS1517G	BS1517B	15 - 17 mm
	BS1618G	BS1618B	16 - 18 mm
	BS1820G	BS1820B	18 - 20 mm
	BS2022G	BS2022B	20 - 22 mm
	BS2224G	BS2224B	22 - 24 mm
	BS2426G	BS2426B	24 - 26 mm
	BS2628G	BS2628B	26 - 28 mm
	BS2830G	BS2830B	28 - 30 mm
	BS3032G	BS3032B	30 - 32 mm
	BS3234G	BS3234B	32 - 34 mm
	BS3335G	BS3334B	33 - 35 mm
	BS418G	BS418B	4 - 18 mm
	BS1426G	BS1426B	14 - 26 mm
	QS10-11G	QS10-11B	4× $\varnothing$ 10-11 mm
	MS1418G	MS1418B	1× $\varnothing$ 13-14 mm 1× $\varnothing$ 17-18 mm
	MS6-17G	MS6-17B	8× $\varnothing$ 5.5-6.5 mm 2× $\varnothing$ 16.5-17.5 mm

CSH series of small grommet

Product Introduction

The innovative sealing module has overcome the problem that similar products on the market cannot meet the high protection level requirement of IP67. The CSH series sealing module is compatible with cables with an outer diameter tolerance of 1mm. It effectively ensures the IP67 waterproof requirement of the chassis. The entire series of sealing modules have been changed to a semi-circular shape, making it convenient to install the sealing module into the frame sealing groove, which is fast and easy.



Specification

Material: Synthetic rubber

Flame retardant grade: UL94-V0, self-extinguishing

IP protection level: IP54/IP65/IP66

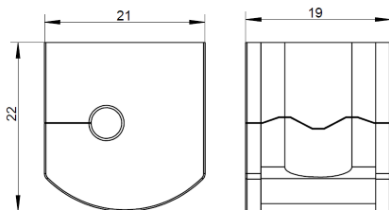
Operating temperature: -40°C to +90°C

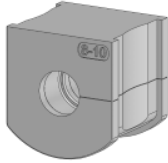
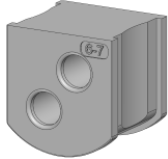
Color: Gray/Black (customizable as per requirements)

Oil resistance option available

Dimensions:

MK, BS, TS, QS series dimensions



Appearance	Grey product model	Black product model	Diameter range
	MK-G	MK-B	Blind hole
	HS1G	HS1B	1 - 2 mm
	HS2G	HS2B	2 - 3 mm
	HS3G	HS3B	3 - 4 mm
	HS4G	HS4B	4 - 5 mm
	HS5G	HS5B	5 - 6 mm
	HS6G	HS6B	6 - 7 mm
	HS7G	HS7B	7 - 8 mm
	HS8G	HS8B	8 - 9 mm
	HS9G	HS9B	9 - 10 mm
	HS10G	HS10B	10 - 11 mm
	HS11G	HS11B	11 - 12 mm
	HS12G	HS12B	12 - 13 mm
	HS13G	HS13B	13 - 14 mm
	HS14G	HS14B	14 - 15 mm
	HS15G	HS15B	15 - 16 mm
	HS16G	HS16B	16mm
	HS315G	HS315B	3 - 15 mm
	THS2G	THS2B	2× ø 2 mm
	THS3G	THS3B	2× ø 3 mm
	THS4G	THS4B	2× ø 4 mm
	THS5G	THS5B	2× ø 5 mm
	THS6G	THS6B	2× ø 6 mm
	THS7G	THS7B	2× ø 7 mm
	THS8G	THS8B	2× ø 8 mm

CSH series of big grommet

Product Introduction

The innovative sealing module has overcome the problem that similar products on the market cannot meet the high protection level requirement of IP67. The CSH series sealing module is compatible with cables with an outer diameter tolerance of 1mm. It effectively ensures the IP67 waterproof requirement of the chassis. The entire series of sealing modules have been changed to a semi-circular shape, making it convenient to install the sealing module into the frame sealing groove, which is fast and easy.



Specification

Material: Synthetic rubber

Flame retardant grade: UL94-V0, self-extinguishing

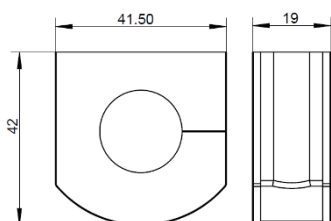
IP protection level: IP54/IP65/IP66

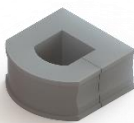
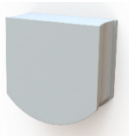
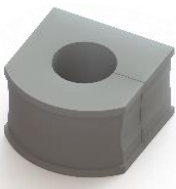
Operating temperature: -40°C to +90°C

Color: Gray/Black (customizable as per requirements)

Oil resistance option available

Dimensions:

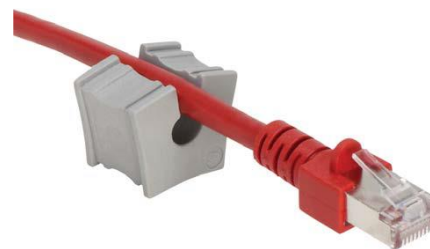


Appearance	Grey product model	Black product model	Diameter range
	TBS-G	TBS-B	Convert into small grommet
	BMK-G	BMK-B	Blind hole
	HS16G	HS16B	16 - 17 mm
	HS17G	HS17B	17 - 18 mm
	HS18G	HS18B	18 - 19 mm
	HS19G	HS19B	19 - 20 mm
	HS20G	HS20B	20 - 21 mm
	HS21G	HS21B	21 - 22 mm
	HS22G	HS22B	22 - 23 mm
	HS23G	HS23B	23 - 24 mm
	HS24G	HS24B	24 - 25 mm
	HS25G	HS25B	25 - 26 mm
	HS26G	HS26B	26 - 27 mm
	HS27G	HS27B	27 - 28 mm
	HS28G	HS28B	28 - 29 mm
	HS29G	HS29B	29 - 30 mm
	HS30G	HS30B	30 - 31 mm
	HS31G	HS31B	31 - 32 mm
	HS32G	HS32B	32 - 33 mm
	HS33G	HS33B	33 - 34 mm
	HS34G	HS34B	34 - 35 mm
	HS1634G	HS1634B	16 - 34mm

KT series of small grommet

Product Introduction

The diameter range of the KT small sealing unit is from 1 to 17 mm.



Fitting

When installing the sealing unit, the cable sealing unit has a water surface that comes into contact with the cable sealing frame.

Specification

Material: Synthetic rubber

Flame retardant grade: UL94-V0, self-extinguishing

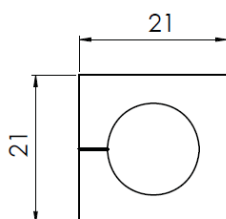
IP protection level: IP54/IP65/IP66

Operating temperature: -40°C to +90°C

Color: Gray/Black (customizable as per requirements)

Oil resistance option available

Dimensions:



Appearance	Grey product model	Black product model	Diameter range
	BTK-G	BTK-B	Blind hole
	KT1G	KT1B	1 - 2 mm
	KT2G	KT2B	2 - 3 mm
	KT3G	KT3B	3 - 4 mm
	KT4G	KT4B	4 - 5 mm
	KT5G	KT5B	5 - 6 mm
	KT6G	KT6B	6 - 7 mm
	KT7G	KT7B	7 - 8 mm
	KT8G	KT8B	8 - 9 mm
	KT9G	KT9B	9 - 10 mm
	KT10G	KT10B	10 - 11 mm
	KT11G	KT11B	11 - 12 mm
	KT12G	KT12B	12 - 13 mm
	KT13G	KT13B	13 - 14 mm
	KT14G	KT14B	14 - 15 mm
	KT15G	KT15B	15 - 16 mm
	KTs16G	KTs16B	16mm
	KT2 1G	KT2 1B	2× ø 1 mm
	KT2 2G	KT2 2B	2× ø 2 mm
	KT2 3G	KT2 3B	2× ø 3 mm
	KT2 4G	KT2 4B	2× ø 4 mm
	KT2 5G	KT2 5B	2× ø 5 mm
	KT2 6G	KT2 6B	2× ø 6 mm
	KT2 7G	KT2 7B	2× ø 7 mm
	KT2 8G	KT2 8B	2× ø 8 mm
	KT4 2G	KT4 2B	4× ø 2 mm
	KT4 3G	KT4 3B	4× ø 3 mm
	KT4 4G	KT4 4B	4× ø 4 mm
	KT4 5G	KT4 5B	4× ø 5 mm
	KT4 6G	KT4 6B	4× ø 6 mm

KT series of big grommet

Product Introduction

The diameter range of the KT small sealing unit is from 16 to 35mm.



Specification

Material: Synthetic rubber

Flame retardant grade: UL94-V0,
self-extinguishing

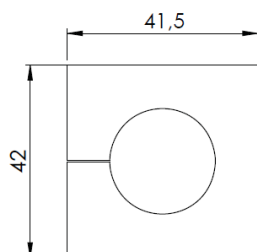
IP protection level: IP54/IP65/IP66

Operating temperature: -40°C to
+90°C

Color: Gray/Black (customizable as
per requirements)

Oil resistance option available

Dimensions:



Appearance	Grey product model	Black product model	Diameter range
	BSG-G	BSG-B	Convert into small grommet
	BTG-G	BTG-B	Blind hole 5 - 20 mm
	KT16G	KT16B	16 - 17 mm
	KT17G	KT17B	17 - 18 mm
	KT18G	KT18B	18 - 19 mm
	KT19G	KT19B	19 - 20 mm
	KT20G	KT20B	20 - 21 mm
	KT21G	KT21B	21 - 22 mm
	KT22G	KT22B	22 - 23 mm
	KT23G	KT23B	23 - 24 mm
	KT24G	KT24B	24 - 25 mm
	KT25G	KT25B	25 - 26 mm
	KT26G	KT26B	26 - 27 mm
	KT27G	KT27B	27 - 28 mm
	KT28G	KT28B	28 - 29 mm
	KT29G	KT29B	29 - 30 mm
	KT30G	KT30B	30 - 31 mm
	KT31G	KT31B	31 - 32 mm
	KT32G	KT32B	32 - 33 mm
	KT33G	KT33B	33 - 34 mm
	KT34G	KT34B	34 - 35 mm

Separable brush-covered cable entry frame

Product Introduction

The MH-B series of cable introduction frames are mainly used for introducing cables into cabinets, control panels, control boxes, etc. Especially in areas with a lot of dust, such as inside computer cabinets, they are an ideal solution. Our newly developed separable brush introduction frame has an integrated frame that uses a snap-fit mechanism, which is compatible with both separable and non-separable installation requirements from customers. Additionally, the brush plate can be installed using screws or expansion rivets. The MH-B series cable introduction frames can perfectly accommodate 10-, 16-, or 24-pole standard industrial heavy-duty connectors for cabinet openings, and the entire series of brush fixing strips are made of 304 stainless steel to prevent rust.



Product Parameters

Material: Frame: Polyamide (PA)

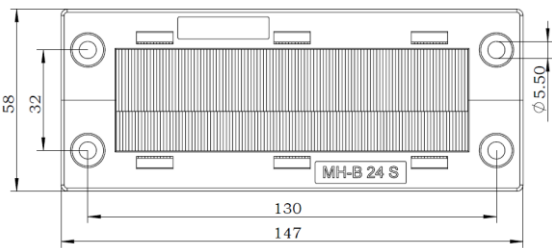
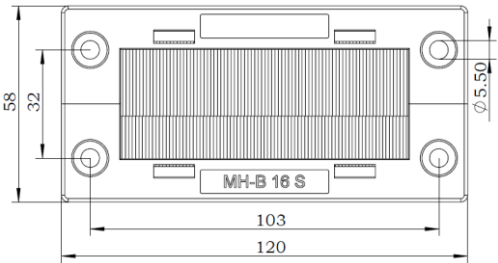
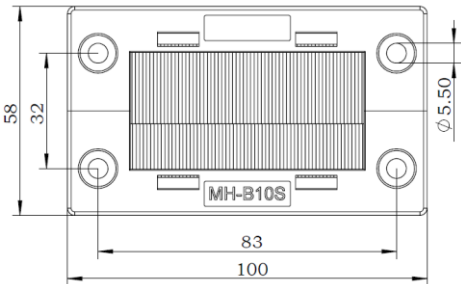
Brush: Polyamide (PA)

Brush strip: Stainless steel

Flame retardant grade: UL94-V0, self-extinguishing

Operating temperature: -40°C to +120°C

Installation method: M5 screws or rivets

Overall dimension	Product Model	Size of opening
	MH-B24S	36 x 112 mm
	MH-B16S	36 x 86mm
	MH-B10S	36 x 65mm

Single-hole tower-shaped cable entry system



IP66 IP68

Product Introduction

The KEL-DPF is specifically designed to route large-sized or unknown-sized cables into distribution cabinets or machines (with the maximum cable diameter of 70 mm). Due to its flexibility and unique tower-shaped structure,

the entry and positioning of the cables are much easier compared to conventional cable gland heads. It is also very suitable for cable ties fixation or for introducing large cables. The cutting method used by KEL-DPF: 20% smaller than the cable diameter. The corresponding diameter marking is on the core. It is recommended to use cable ties for fixation to provide higher stress release. By putting cable ties on each locking ring, the IP68 protection level requirement can be achieved.

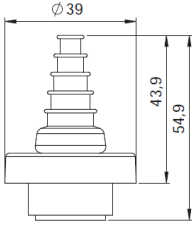
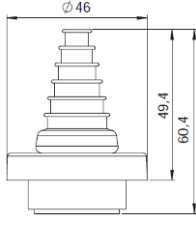
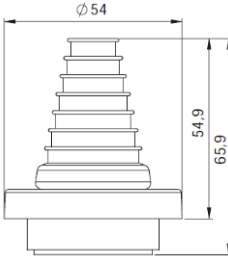
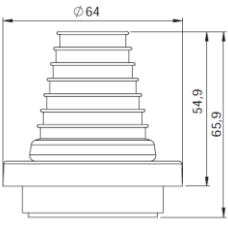
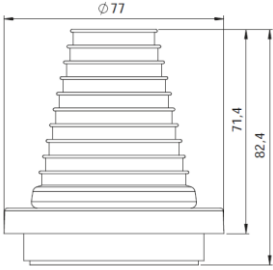
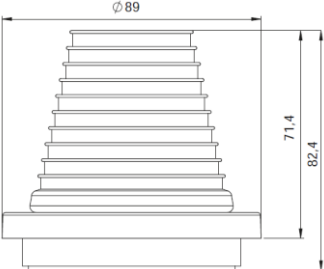
Product advantages

- No tools, instant assembly
- Rigid cables can be installed at multiple angles
- Suitable for metric thread sizes
- Product includes nylon lock head nuts
- It can pass through the cold pressed wire terminal

Specification

- Material: Frame: Polyamide (PA)
- Pyramid: Synthetic rubber
- Color: Gray
- Flame retardant grade: UL94-V0
- IP protection grade: IP66/IP68
- Operating temperature: -40°C to +90°C



Overall dimension	Product Model
	KEL-DPF/M25 3-12
	KEL-DPF/M32 6-18
	KEL-DPF/M40 11-32
	KEL-DPF/M50 17-42
	KEL-DPF/M63 23-55
	KEL-DPF/M75 37-62

Round cable sealing plate

Product Introduction

The DPZ circular cable introduction base plate is designed for wiring and sealing standard cables or optical fibers (with diameters ranging from 1.5 to 22mm) in a confined space. It is easy to assemble with cables or pneumatic hoses. Just make a small hole on the film and insert the cable. The DPZ provides stress relief and IP65/IP66 protection levels. The circular version of the DPZ series has matching metric threads from M25 to M63. Therefore, the openings of metric cable gland heads can be directly used. If the cable is removed, a ST plug can be used to seal the punctured film.



Specification

Material: Frame and nuts: Nylon

Sealing body: Synthetic rubber

Flame retardant grade: UL94-V0

IP protection grade: IP65/IP66

Color: Gray

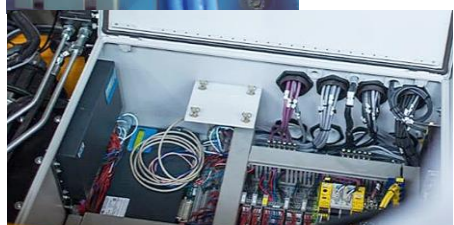
Operating temperature: -40℃ to +90℃

Opening size: Metric thread opening

Product thickness: 8mm



Practical application



Product Model	Diameter range	Specification	External diameter
DPZ32 7	(3.2-6.5mm) *7	M32X1.5	44mm
DPZ40 8	(3.2 - 6.5mm) *4 (5 - 10.2mm) *4	M40X1.5	52mm
DPZ50 8	(5-10.5mm) *5 (7-12.5mm) *3	M50X1.5	62mm
DPZ50 10	(3.2 - 6.5mm) *7 (5 - 10.2mm) *2 (16 - 22.2mm) *1	M50X1.5	62mm
DPZ50 12	(5-10.2mm) *8 (3-6.5mm) *4	M50X1.5	62mm
DPZ50 19	(3.2-6.5mm) *19	M50X1.5	62mm
DPZ63 9	(5-10.2mm) *3 (3-6.5mm) *1 (9-16.2mm) *4 (16-22.2mm) *1	M63X1.5	75mm
DPZ63 13	(5-10.2mm) *4 (3-6.5mm) *4 (9-16.2mm) *5	M63X1.5	75mm
DPZ63 14	(5-10.2mm) *14	M63X1.5	75mm
DPZ63 35	(3.2-6.5mm) *35	M63X1.5	75mm

ST Plugs for Cable Grommets

Product Description

Plugs are used to close either KT or BS MS TS QS grommets which are not equipped with cables. IP ratings of the grommets remain. Perfect for applications where cables have been removed or might be routed at a later stage.



Advantages

Sealing unused cable grommets

Specification

Material: Polyamide (PA), white

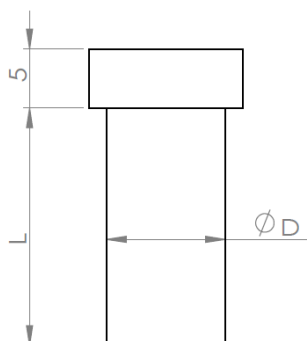
Flame class: UL94-V0

IP rating: IP rating of grommets remains

UL type rating: UL type 12 (acc. to UL 50E)

Operating temperature: -40°C to +120°C

Dimensions:



Product Model	Diameter D	Length L	PU
ST 1	1 mm	20 mm	25
ST 2	2 mm	20 mm	25
ST 3	3 mm	20 mm	25
ST 4	4 mm	20 mm	25
ST 5	5 mm	20 mm	25
ST 6	6 mm	20 mm	25
ST 7	7 mm	20 mm	25
ST 8	8 mm	20 mm	25
ST 9	9 mm	15 mm	25
ST 10	10 mm	15 mm	25
ST 11	11 mm	15 mm	25
ST 12	12 mm	15 mm	25
ST 13	13 mm	15 mm	25
ST 14	14 mm	15 mm	25
ST 15	15 mm	15 mm	25
ST 16	16 mm	15 mm	25
ST 17	17 mm	15 mm	25
ST 18	18 mm	20 mm	25
ST 19	19 mm	20 mm	25
ST 20	20 mm	20 mm	25
ST 21	21 mm	20 mm	25
ST 22	22 mm	20 mm	25
ST 23	23 mm	20 mm	25
ST 24	24 mm	20 mm	25
ST 25	25 mm	20 mm	25
ST 26	26 mm	20 mm	25
ST 27	27 mm	20 mm	25
ST 28	28 mm	20 mm	25
ST 29	29 mm	20 mm	25
ST 30	30 mm	20 mm	25
ST 31	31 mm	20 mm	25
ST 32	32 mm	20 mm	25
ST 33	33 mm	20 mm	25
ST 34	34 mm	20 mm	25
ST ASI		25 mm	25

Integrated cable sealing system

Integrated cable sealing systems are made of metal or plastic reinforced cable compression plates, and manufactured with special synthetic rubber, these products are mainly used in various sizes and different types of cables through low and medium power current. These products can be mounted directly onto standard cabinet openings.

Integrated cable sealing systems do not require any separate gaskets or sealing sleeves, and this unique design makes our products very easy to use for our customers, offering numerous advantages in a single assembly unit. Integrated cable sealing systems are made from various types of polymers. All materials are RoHS certified and have excellent weather resistance, UV linearity and ozone resistance. Products and models with EMC performance and oil resistance are also available. Oil resistance is tested according to UL 157. The integrated cable seal system is available with a plastic riveted lock and can be used to secure the integrated cable seal system to a metal and plastic housing (indoor applications only).

IP54 series products

The MC10, MC16, MB4/10, LMC14, LMC 25, LMC35 and LMC51 use metal or reinforced plastic as the skeleton of the integrated cable sealing system, product protection class IP54. The LMC class incorporates an innovative new design that provides excellent IP protection for individual cables when they are effectively bent. The design prevents dust from entering and prevents liquids from coming from all directions.

Appearance	Product Model	Diameter range	Overall dimensions	Order Number
	MC10	(7 - 12mm) x2 (10 - 30mm) x8	216x84x48mm	ZG103552
	MC16	(10 - 20mm) x15 (10 - 30mm) x1	216x84x31mm	ZG100084
	MB4/10	(4 - 9mm) x6 (10 - 25mm) x4	147x57x31mm	ZG105954

	LMC14	(24 - 54mm) x2 (14 - 22mm) x3 (14 - 18mm) x4 (10 - 14mm) x5	222x92x52mm	ZG104338
	LMC25	(14 - 35mm) x1 (14 - 22mm) x5 (14 - 18mm) x12 (10 - 14mm) x5 (3.5 - 11mm) x2	222x92x30mm	ZG104335
	LMC35	(15 - 32mm) x1 (12 - 18mm) x2 (10 - 14mm) x16 (7 - 12mm) x14 (6 - 10mm) x2	214x84x9.5mm	ZG100241
	LMC51	(15 - 25mm) x1 (7 - 13mm) x50	222x92x30mm	ZG104344

Technical Specifications

Material:

Frame: Steel or Nylon;

Sealing Plate: Synthetic Rubber

Protection Grade: IP54

Color: Industrial Gray (RAL7035)

Operating Temperature: -40°C to +90°C

Storage Temperature: -40°C to +100°C

Characteristics: Halogen-free, Silicon-free



IP65/IP66 series products

Integrated cable seal systems MC3, MC25 and MC35 are engineered with metal reinforced cable seal plates that provide a full range of dust and water spray protection. Among them, MH10F, MH16F and MH24, as well as RMC17, use an enhanced plastic skeleton for better headstrong and protective properties.

Appearance	Product Model	Diameter range	Overall dimensions	Order Number
	MC3	(24 - 54 mm)x 2 (30 - 60 mm)x1 (8 - 12 mm)x4	214x84x37mm	ZG100235
	MC25	(5 - 7 mm)x4 (8 - 12 mm)x4 (10 - 14 mm)x12 (14 - 20 mm)x4 (20 - 26 mm)x1	216x84x24mm	ZG107611
	MC35	(6 - 10 mm)x2 (7 - 12 mm)x14 (10 - 14 mm)x16 (12 - 18 mm)x2 (17 - 32 mm)x1	216x84x31mm	ZG107612
	RMC3	(7 - 10mm) x4 (12-57mm) x3	220x88x25.5mm	ZG107360
	RMC17	(5 - 7 mm)x4 (10 - 12 mm)x2 (12 - 15 mm)x2 (10 - 30 mm)x9	220x88x25.5mm	ZG108424



	MH10F12-1	(3 - 7mm) x5 (5 - 10mm) x4 (7 - 13mm) x2 (9 - 16mm) x1	107x56x19mm	ZG107294
	MH16F17-1	(3 - 7mm) x12 (7 - 13mm) x5	127x56x19mm	ZG107295
	MH24F17-2	(3 - 7mm) x6 (5 - 10mm) x6 (9 - 16mm) x5	154x56x19mm	ZG107296
	MH24F17-3	(3 - 7mm) x4 (7 - 12mm) x12 (10 - 20mm) x1	154x56x19mm	ZG107466
	MH24F19-1	(1.5-3mm) x5 (3.2-6.5mm) x10 (16-22mm) x4	154x56x19mm	ZG107558



	MH24F20-1	(1.5-3mm) X6 (7.2-12mm) X14	154x56x19mm	ZG107559
	MH24F22-1	(3 - 7mm) X15 (4.5 - 10mm) X4 (15 - 20mm) X3	154x56x19mm	ZG107481
	MH24F23-1	(1.5-3mm) x 4 (3.2-6.3mm) x 4 (4-7.5mm) x10 (5.5-10.5mm) x1 (8-12.5mm) x 1 (12-16.2mm) x 3	154x56x19mm	ZG107555
	MH24F23-2	(1.5-3mm) x 4 (3.2-6.3mm) x 6 (4-7.5mm) x 2 (5.5-10.5mm) x1 (8-12.5mm) x 10	154x56x19mm	ZG107556
	MH24F27-1	(3-7mm) X12 (4.5-10mm) X10 (7-13mm) X5	154x56x19mm	ZG107480
	MH24F30-1	(3 - 8mm) X30	154x56x19mm	ZG107465

	MH24F30-2	(1.5-3mm) x 8 (3.2-5.5mm) x 8 (4-7.5mm) x 6 (5-8.5mm) x 6 (9.5-14.5mm) x2	154x56x19mm	ZG107554
	MH24F30-3	(1.5-3mm) x 6 (3.2-6.3mm) x 4 (4-7.5mm) x 14 (5.5-10.5mm) x4 (8-12.5mm) x 2	154x56x19mm	ZG107557
	MH24F31-1	(3.2-6.5mm) x20 (5-10.2mm) x 8 (7.5-12mm) x 3	154x56x19mm	ZG107561
	MH24F42-1	(3.2-6.5mm) x42	154x56x19mm	ZG107560
	MH24F125	(1.5-3mm) x123 (2.5-5mm) x2	154x56x19mm	ZG107652

Technical Specifications

Material:

Frame: Steel or Nylon;

Sealing Plate: Synthetic Rubber

Protection Grade: IP65/IP66

Color: Industrial Gray (RAL7035)

Operating Temperature: -40°C to +90°C

Storage Temperature: -40°C to +100°C



IP66/67 series products

MC3/7, MC25/27, MC35/37 and MB5/11 are reinforced cable seals with a metal skeleton construction and are IP66/67 protected. All products in the series circumvent electromagnetic circulation effects and provide excellent IP protection for individual cables, even when the cables are bent.

Appearance	Product Model	Diameter range	Overall dimensions	Order Number
	MC3/7	(24 - 54 mm)x2 (30 - 60 mm)x1 (10 - 14 mm)x4	222x92x76mm	ZG105041
	MC25/27	(5 - 7 mm)x4 (8 - 12 mm)x4 (10 - 14 mm)x13 (14 - 20 mm)x4 (20 - 26 mm)x2	222x92x43mm	ZG105042
	MC35/37	(6 - 10 mm)x4 (8 - 12 mm)x14 (10 - 14 mm)x16 (12 - 18 mm)x2 (17 - 32 mm)x1	222x92x43mm	ZG105043
	MB5/11	(5 - 7 mm)x4 (7 - 10 mm)x3 (10 - 14 mm)x2 (15 - 30 mm)x2	147x57x42mm	ZG105044

Technical Specifications

Material:

Frame: Steel or Nylon;

Sealing Plate: Synthetic Rubber

Protection Grade: IP65/IP66

Color: Industrial Gray (RAL7035) or Black

Operating Temperature: -40°C to +90°C

Storage Temperature: -40°C to +100°C

Cold shrink cable gland

Product Introduction

The successful research and development of cold shrink gland products provides a new and innovative technical solution for cable sealing in the industrial field. The products of this scheme solve several important defects and problems of traditional cable glands. The problems of traditional cable glands include the following problems:

1. Each cable gland corresponds to a small cable sealing range, that is, the compatibility of the cable outer diameter range is low.
2. The cable must be sealed by tightening the nut of the gland, and the nut must meet a certain torque value to achieve sealing.
3. During on-site construction, traditional cable glands need to consider the size of the working space, require additional operating tools, and require high technical and operational capabilities of the on-site operators.
4. The sealed cavity of the traditional cable gland cannot pass through the cold-pressed terminals corresponding to the cable specifications, such as the terminals of the DT, TC, and DTM series.

Compared with the traditional gland head, the cold shrink cable connector has the following significant advantages:

- Extremely large cable sealing range
- No need for on-site installation torque
- Quick and simple installation
- Stable and reliable sealing, with protection level IP67
- Available through the cold press terminals of the corresponding wires
- All products have a flame retardant grade of UL94-V0



PG Type metal cold shrink cable glands

Product Specifications

Material:

Body: Brass, nickel plated

Seal: synthetic rubber

IP protection level: IP67

Operating temperature:

-40°C to +180°C

Flame retardant grade: UL94-V0

Specification	Diameter range (mm)	Model (black)	Model (Gray)
PG7	4-9	P070409BB	P070409BG
PG9	5-12	P090512BB	P090512BG
PG11	6-15	P110615BB	P110615BG
PG13.5	6-16	P130616BB	P130616BG
PG16	8-18	P160818BB	P160818BG
PG19	10-20	P191020BB	P191020BG
PG21	12-25	P211225BB	P211225BG
PG29	14-33	P291433BB	P291433BG
PG36	19-43	P361943BB	P361943BG
PG42	25-50	P422550BB	P422550BG
PG48	25-55	P482555BB	P482555BG

PG Type plastic cold shrink cable glands

Product Specifications

Material:

Body: nylon

Seal: synthetic rubber

IP protection level: IP67

Operating temperature:

-40°C to +125°C

Flame retardant grade: UL94-V0

Specification	Diameter range (mm)	Model (black)	Model (Gray)
PG7	4-7	P070407PB	P070407PG
PG9	5-10	P090510PB	P090510PG
PG11	6-12	P110612PB	P110612PG
PG13.5	6-14	P130614PB	P130614PG
PG16	8-16	P160816PB	P160816PG
PG19	10-18	P191018PB	P191018PG
PG21	12-23	P211223PB	P211223PG
PG29	14-31	P291431PB	P291431PG
PG36	19-39	P361939PB	P361939PG
PG42	25-48	P422548PB	P422548PG
PG48	25-52	P482552PB	P482552PG

M Type plastic cold shrink cable glands

Product Specifications

Material:

Body: nylon

Seal: synthetic rubber

IP protection level: IP67

Operating temperature:

-40°C to +125°C

Flame retardant grade: UL94-V0

Specification	Diameter range (mm)	Model (black)	Model (Gray)
M16	5-11	M160511PB	M160511PG
M20	6-15	M200615PB	M200615PG
M25	10-20	M251020PB	M251020PG
M32	12-27	M321227PB	M321227PG
M35	13-30	M351330PB	M351330PG
M40	16-34	M401634PB	M401634PG
M50	24-44	M502444PB	M502444PG
M63	21-56	M632156PB	M632156PG
M70	25-64	M702564PB	M702564PG
M75	28-67	M752867PB	M752867PG

M Type metal cold shrink cable glands

Product Specifications

Material:

Body: Brass, nickel plated

Seal: synthetic rubber

IP protection level: IP67

Operating temperature:

-40°C to +180°C

Flame retardant grade: UL94-V0

Specification	Diameter range (mm)	Model (black)	Model (Gray)
M16	5-12	M160512BB	M160512BG
M20	6-16	M200616BB	M200616BG
M25	10-21	M251021BB	M251021BG
M32	12-28	M321228BB	M321228BG
M35	13-31	M351331BB	M351331BG
M40	16-36	M401636BB	M401636BG
M50	24-45	M502445BB	M502445BG
M63	21-57	M632157BB	M632157BG
M70	25-65	M702565BB	M702565BG
M75	28-69	M752869BB	M752869BG

Product Application



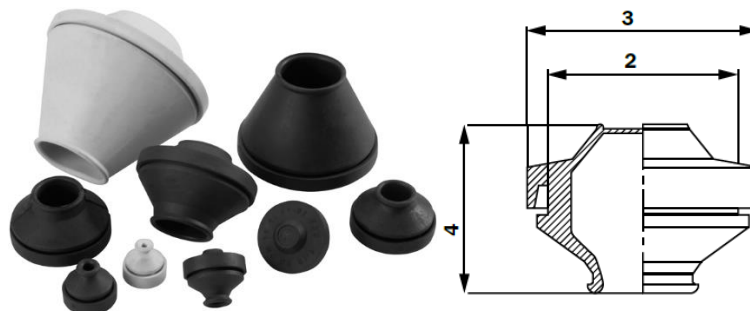
GET and VET IP67 rated threading sheath

In the single-cable sealed sheath, products with IP protection level of IP67 include two designs: PG perforated (T-GD) and mm perforated (T-GDM). They offer comprehensive dust-proof and strong splash-proof protection, even being able to be submerged up to 15CM to 1M deep in water. VET and GET are two traditional designs, adopting a double-sealing design. While T-VET and T-GET have innovative designs and can be used as substitutes for plugs.



T-VET Technical Specifications

Order number	Materials	colour	RAL	Flame retardant	diameter range	2	3	4	Plate thickness
100744	TPE	Grey	7042		3-5	13	20	17	1-4 mm
100746	TPE	Grey	7035	UL94V-0	3-5	13	20	17	1-4 mm
100747	TPE	Black		UL94V-0	3-5	13	20	17	1-4 mm
100186	TPE	Grey	7042		5-7	16	20	19	1-4 mm
100749	TPE	Grey	7035	UL94V-0	5-7	16	20	19	1-4 mm
100187	TPE	Black		UL94V-0	5-7	16	20	19	1-4 mm
100465	TPE	Grey	7042		7-10	19	24	21	1-4 mm
100751	TPE	Grey	7035	UL94V-0	7-10	19	24	21	1-4 mm
100188	TPE	Black		UL94V-0	7-10	19	24	21	1-4 mm
100189	TPE	Grey	7042		10-14	23	29	23	1-4 mm
100190	TPE	Grey	7035	UL94V-0	10-14	23	29	23	1-4 mm
100191	TPE	Black		UL94V-0	10-14	23	29	23	1-4 mm
100753	TPE	Grey	7042		14-20	29	34	26	1-4 mm
100192	TPE	Grey	7035	UL94V-0	14-20	29	34	26	1-4 mm
100193	TPE	Black		UL94V-0	14-20	29	34	26	1-4 mm
100194	TPE	Grey	7042		20-26	38	46	30	1-4 mm
100755	TPE	Grey	7035	UL94V-0	20-26	38	46	30	1-4 mm
100195	TPE	Black		UL94V-0	20-26	38	46	30	1-4 mm
100196	TPE	Grey	7042		26-35	48	57,5	33	1-4 mm
100197	TPE	Grey	7035	UL94V-0	26-35	48	57,5	33	1-4 mm
100198	TPE	Black		UL94V-0	26-35	48	57,5	33	1-4 mm



T-GET Technical Specifications

Order number	Materials	colour	RAL	Flame retardant	diameter range	2	3	4	Plate thickness
100722	TPE	Grey	7042		3-5	12	19	20,9	1-5 mm
100723	TPE	Grey	7035	UL94V-0	3-5	12	19	20,9	1-5 mm
100724	TPE	Black		UL94V-0	3-5	12	19	20,9	1-5 mm
100725	TPE	Grey	7042		5-7	16	23	21,6	1-5 mm
100726	TPE	Grey	7035	UL94V-0	5-7	16	23	21,6	1-5 mm
100727	TPE	Black		UL94V-0	5-7	16	23	21,6	1-5 mm
100728	TPE	Grey	7042		7-10	20	27	24,3	1-5 mm
100729	TPE	Grey	7035	UL94V-0	7-10	20	27	24,3	1-5 mm
100730	TPE	Black		UL94V-0	7-10	20	27	24,3	1-5 mm
100731	TPE	Grey	7042		10-14	25	32	24,8	1-5 mm
100732	TPE	Grey	7035	UL94V-0	10-14	25	32	24,8	1-5 mm
100733	TPE	Black		UL94V-0	10-14	25	32	24,8	1-5 mm
100734	TPE	Grey	7042		14-20	32	39	28,1	1-5 mm
100735	TPE	Grey	7035	UL94V-0	14-20	32	39	28,1	1-5 mm
100736	TPE	Black		UL94V-0	14-20	32	39	28,1	1-5 mm
100737	TPE	Grey	7042		20-26	40	46	31,8	1-5 mm
100183	TPE	Grey	7035	UL94V-0	20-26	40	46	31,8	1-5 mm
100184	TPE	Black		UL94V-0	20-26	40	46	31,8	1-5 mm
100738	TPE	Grey	7042		26-35	50	57	39,7	1-5 mm
100739	TPE	Grey	7035	UL94V-0	26-35	50	57	39,7	1-5 mm
100740	TPE	Black		UL94V-0	26-35	50	57	39,7	1-5 mm
103924	TPE	Grey	7042		30-45	60	69	59,6	1-5 mm
100741	TPE	Grey	7035	UL94V-0	30-45	60	69	59,6	1-5 mm
100185	TPE	Black		UL94V-0	30-45	60	69	59,6	1-5 mm
100743	TPE	Grey	7042		40-60	80	89	78,2	1,2-5,2 mm
100722	TPE	Grey	7035	UL94V-0	40-60	80	89	78,2	1,2-5,2 mm
100723	TPE	Black		UL94V-0	40-60	80	89	78,2	1,2-5,2 mm

EMC Solutions

EMC Shield Clamps

Shielded ground terminals and ground components

Process measurement and equipment control require increasingly high fail-safe capabilities. To achieve this, shielding and shielding grounding are very important, in order to make the shielding layer play a good role, the following two points are essential:

High reliability is required when the cable shield connects to the ground.

The connecting contact surface and structure should have very low impedance.



Product Features

1. Flexible

With a wide variety of DIN rail models and screw types in combination, we offer many mounting options.

2. Fast and no tool installation required

Press the cable directly into the shield clamp to complete the installation.

3. Stable fixation

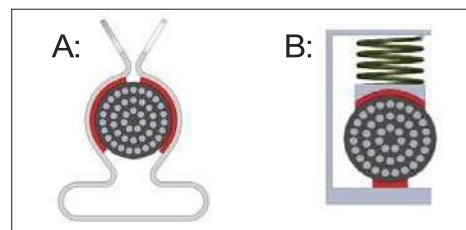
Suitable size and use with cable ties provide VDE compliant stress relief.

4. Large contact area

The SKL shielding ground terminal has A large contact area with the cable shielding layer (Figure A). with Compared to traditional shielded ground terminals, when using SKL series products we can Increased contact area by 50%, resulting in reduced contact resistance.

5. Greatly reduce high-frequency interference

SKL shielded ground terminals provide very low impedance over a wide frequency range. For example, not more than 100 Ohms at 1GHz; 10 KHz to 100 MHZ, no more than 10 Ohms.



MSKL series Shield Clamps



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used.

Shield clamps are easy to use and effective in derivating conducted disturbances.

Due to its special design, the clamping ranges of the MSKL are very large while the dimensions are comparatively small.
(Example: MSKL 3-12, assembled with a 12 mm cable shield: width 26.25 mm).

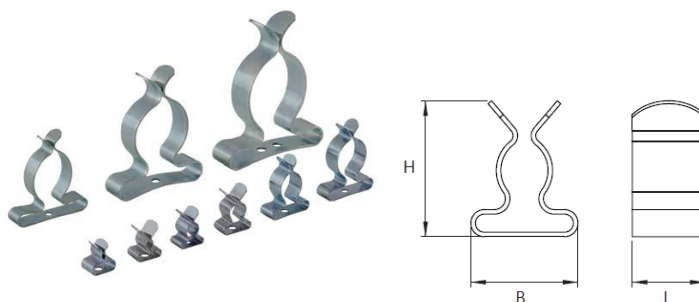
Model	Range mm	size L × W × H [mm]	Installation type
MSKL Single, fixed with rivets:			
MSKL 3-12	3-12	8×15.1×20.5	Rivets, hole 3.2 mm
MSKL 8-18	8-18	8×20×27	Rivets, hole 3.2 mm
For direct mounting (with M4 screw):			
			
LFZ-M MSKL 3-12 with stress relief	3-12	46.3×15.1×26	Screws, hole 4.2 mm
LFZ-M MSKL 8-18 with stress relief	8-18	46.3×20×32	Screws, hole 4.2 mm
LF MSKL 3-12	3-12	24×15.1×26	Screws, hole 4.2 mm
LF MSKL 8-18	8-18	24×20×32	Screws, hole 4.2 mm
Suitable for 35 mm DIN H guide rail:			
			
SFZ MSKL 3-12 with stress relief	3-12	60.5×15.1×26	35 mm, DIN H guide rail
SFZ MSKL 8-18 with stress relief	8-18	60.5×20×32	35 mm, DIN H guide rail
SF MSKL 3-12	3-12	50.5×15.1×26	35 mm, DIN H guide rail
SF MSKL 8-18	8-18	50.5×20×32	35 mm, DIN H guide rail

EMC Shield Clamps

For Assembly with Rivets

Product Description

Whenever a cable shielding is required with the possibility of grounding, SKL shield clamps can be used. Shield clamps are easy to use and effective in deriving conducted disturbances. The shield clamps can be mounted using rivets.



Advantages & Benefits

- Large clamping areas, therefore less product sizes needed to cover a large cable diameter range
- Space-saving design, even when fully assembled
- Partially with integrated strain relief
- Large cable shield contact area
- Easy assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Shock and vibration resistant, maintenance free

Model	Range (mm)	Size L × W × H [mm]	Hole diameter
MSKL 3-12	3-12	8×15.1×20.5	3.2 mm
MSKL 8-18	8-18	8×20×27	3.2 mm
SKL 1.5-3	1.5-3	8×11.8×13	3.1 mm
SKL 3-6	3-6	8×11.8×13.6	3.1 mm
SKL 6-8	6-8	8×11.8×15	3.1 mm
SKL 8-11	8-11	8×14×20	3.1 mm
SKL 11-17	11-17	8×21×27.5	3.1 mm
SKL 17-22	17-22	8×26.5×34.5	3.1 mm
SKL 22-30	22-30	8×35×39.5	3.1 mm
SKL 30-38	30-38	11×48.3×54.7	5.2 mm
SKL 38-48	38-48	13×55×67	2×5.2 mm Hole spacing 9.2 mm

Specifications

Material

MSKL clamp, SK clamp



Model	Range (mm)	PU
RCL 0.5-1.5mm ² SKL 1.5-3	1.5-3	20
RCL 0.5-1.5mm ² MSKL 3-12	3-12	20
RCL 1.0-2.5mm ² SKL 1.5-3	1.5-3	20
RCL 1.0-2.5mm ² MSKL 3-12	3-12	20
RCL 4-6mm ² SKL 1.5-3	1.5-3	20
RCL 4-6mm ² MSKL 3-12	3-12	20

EMC Shield Clamps

For Assembly with Screws with Strain Relief Function

Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in deriving conducted disturbances. Optional strain relief function: the cable is fixed via the cable jacket using cable ties. Shield clamps are easily attached to mounting plates via screw. The shield clamp LFZ-U|SKL is available for M4 or M5 screws. During assembly it is sufficient to loosen the existing screw slightly to be able to slide the clamp underneath before re-tightening the screw.

Assembly

The shield clamps can be mounted using screws, e.g. on a mounting plate.

Advantages & Benefits

- Integrated strain relief function
- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free
- Double strain relief: acc. to PROFINET installation guidelines

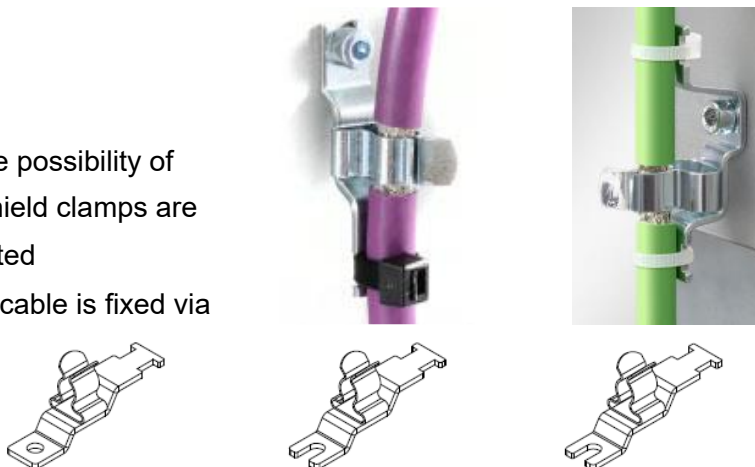
Specifications

Material:

MSKL clamp, SKL clamp: Spring steel, zinc plated

LF/LFZ foot: Steel, galvanically zinc plated fixing hole 4.2 mm/5.2 mm

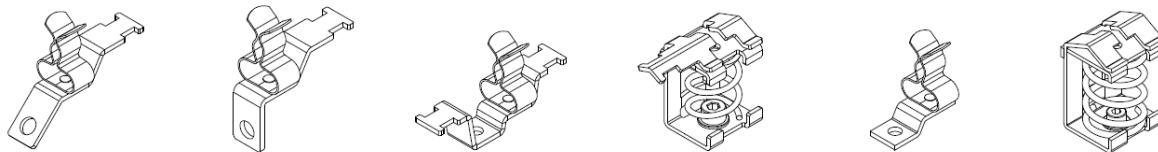
SK bracket: Steel, galvanically zinc plated



Range mm	Model	Model (M4 Screw fixation)	Model (M5 Screw fixation)
3-12	LFZ MSKL 3-12	LFZ-U MSKL 3-12	LFZ-U5 MSKL 3-12
8-18	LFZ MSKL 8-18	LFZ-U MSKL 8-18	LFZ-U5 MSKL 8-18
1.5-3	LFZ SKL 1.5-3	LFZ-U SKL 1.5-3	LFZ-U5 SKL 1.5-3
3-6	LFZ SKL 3-6	LFZ-U SKL 3-6	LFZ-U5 SKL 3-6
6-8	LFZ SKL 6-8	LFZ-U SKL 6-8	LFZ-U5 SKL 6-8
8-11	LFZ SKL 8-11	LFZ-U SKL 8-11	LFZ-U5 SKL 8-11
11-17	LFZ SKL 11-17	LFZ-U SKL 11-17	LFZ-U5 SKL 11-17
17-22	LFZ SKL 17-22	LFZ-U SKL 17-22	LFZ-U5 SKL 17-22
22-30	LFZ SKL 22-30	LFZ-U SKL 22-30	LFZ-U5 SKL 22-30
30-38	LFZ SKL 30-38	LFZ-U SKL 30-38	LFZ-U5 SKL 30-38
38-48	LFZ SKL 38-48	LFZ-U SKL 38-48	LFZ-U5 SKL 38-48

EMC Shield Clamps

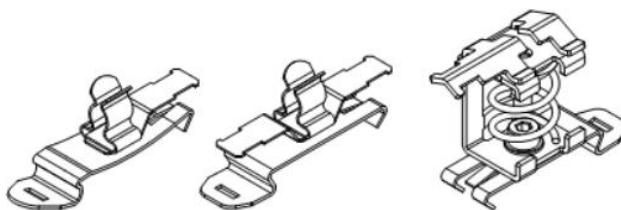
For Assembly with Screws without Strain Relief Function



Range mm	Model	Model	Model	Model	Model	Model
3-12	LFZQ SKL3-12	LFZH SKL 3-12	LF2Z SKL 3-12	-	LF SKL 3-12	-
8-18	LFZQ SKL8-18	LFZH SKL 8-18	LF2Z SKL 8-18	-	LF SKL 8-18	-
1.5-3	LFZQ SKL1.5-3	LFZH SKL 1.5-3	LF2Z SKL 1.5-3	-	LF SKL 1.5-3	-
3-6	LFZQ SKL3-6	LFZH SKL 3-6	LF2Z SKL 3-6	-	LF SKL 3-6	-
6-8	LFZQ SKL6-8	LFZH SKL 6-8	LF2Z SKL 6-8	-	LF SKL 6-8	-
8-11	LFZQ SKL8-11	LFZH SKL 8-11	LF2Z SKL 8-11	-	LF SKL 8-11	-
11-17	LFZQ SKL11-17	LFZH SKL11-17	LF2Z SKL 11-17	-	LF SKL 11-17	-
17-22	LFZQ SKL17-22	LFZH SKL17-22	LF2Z SKL17-22	-	LF SKL 17-22	-
22-30	LFZQ SKL22-30	LFZH SKL22-30	LF2Z SKL22-30	-	LF SKL 22-30	-
30-38	LFZQ SKL30-38	LFZH SKL30-38	LF2Z SKL30-38	-	LF SKL 30-38	-
38-48	LFZQ SKL38-48	LFZH SKL38-48	LF2Z SKL38-48	-	LF SKL 38-48	-
3-8	-	-	-	SKZ3-8	-	SK3-8
4-13.5	-	-	-	SKZ4-13.5	-	SK4-13.5
10-20	-	-	-	SKZ10-20	-	SK10-20
15-32	-	-	-	SKZ15-32	-	SK15-32
PU	10	10	10	10	10	10

EMC Shield Clamps

For 35 mm DIN rails with Strain Relief Function



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in deriving conducted disturbances.

Optional strain relief function: the cable is fixed via the cable jacket using cable ties.

Advantages & Benefits

- Integrated strain relief function
- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free
- Double strain relief: acc. to PROFINET installation guidelines

Range mm	Model	Model	Model
3-12	SFZ SKL 3-12	SF2Z SKL 3-12	-
8-18	SFZ SKL 8-18	SF2Z SKL 8-18	-
1.5-3	SFZ SKL 1.5-3	SF2Z SKL 1.5-3	-
3-6	SFZ SKL 3-6	SF2Z SKL 3-6	-
6-8	SFZ SKL 6-8	SF2Z SKL 6-8	-
8-11	SFZ SKL 8-11	SF2Z SKL 8-11	-
11-17	SFZ SKL 11-17	SF2Z SKL 11-17	-
17-22	SFZ SKL 17-22	SF2Z SKL 17-22	-
22-30	SFZ SKL 22-30	SF2Z SKL 22-30	-
30-38	SFZ SKL 30-38	SF2Z SKL 30-38	-
38-48	SFZ SKL 38-48	SF2Z SKL 38-48	-
3-8	-	-	SF SKZ3-8
4-13.5	-	-	SF SKZ4-13.5
10-20	-	-	SF SKZ10-20
15-32	-	-	SF SKZ15-32
PU	10	10	10

Specifications

Material:

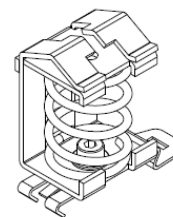
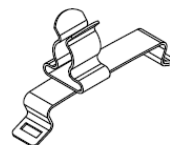
MSKL clamp, SKL clamp: Spring steel, zinc plated

SF/SFZ foot: Spring steel, zinc plated

SK bracket: Steel, galvanically zinc plated

EMC Shield Clamps

For 35 mm DIN Rails without Strain Relief



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in derivating conducted disturbances. The shield clamps can be mounted on 35 mm DIN rails.

Advantages & Benefits

- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free

Specifications

Material:

MSKL clamp, SKL clamp: Spring steel, zinc plated

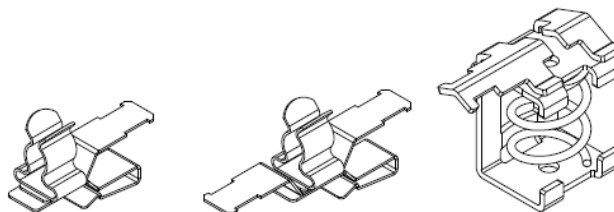
SF/SFZ foot: Spring steel, zinc plated

SK bracket: Steel, galvanically zinc plated

Range mm	Model	Model	Model
3-12	SF SKL 3-12	SFS SKL 3-12	-
8-18	SF SKL 8-18	SFS SKL 8-18	-
1.5-3	SF SKL 1.5-3	SFS SKL 1.5-3	-
3-6	SF SKL 3-6	SFS SKL 3-6	-
6-8	SF SKL 6-8	SFS SKL 6-8	-
8-11	SF SKL 8-11	SFS SKL 8-11	-
11-17	SF SKL 11-17	SFS SKL 11-17	-
17-22	SF SKL 17-22	SFS SKL 17-22	-
22-30	SF SKL 22-30	SFS SKL 22-30	-
30-38	SF SKL 30-38	SFS SKL 30-38	-
38-48	SF SKL 38-48	SFS SKL 38-48	-
3-8	-	-	SF SK3-8
4-13.5	-	-	SF SK4-13.5
10-20	-	-	SF SK10-20
15-32	-	-	SF SK15-32
PU	10	10	10

EMC Shield Clamps

For 10×3 mm Bus Bars with Strain Relief Function



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in deriving conducted disturbances.

Optional strain relief function: the cable is fixed via the cable jacket using cable ties.

Assembly

The shield clamps can be mounted on 10 × 3 mm bus bars.

Advantages & Benefits

- Integrated strain relief function
- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free
- Double strain relief: acc. to PROFINET installation guidelines

Range mm	Model	Model	Model
3-12	PFSZ SKL 3-12	PFS2Z SKL 3-12	-
8-18	PFSZ SKL 8-18	PFS2Z SKL 8-18	-
1.5-3	PFSZ SKL 1.5-3	PFS2Z SKL 1.5-3	-
3-6	PFSZ SKL 3-6	PFS2Z SKL 3-6	-
6-8	PFSZ SKL 6-8	PFS2Z SKL 6-8	-
8-11	PFSZ SKL 8-11	PFS2Z SKL 8-11	-
11-17	PFSZ SKL 11-17	PFS2Z SKL 11-17	-
17-22	PFSZ SKL 17-22	PFS2Z SKL 17-22	-
22-30	PFSZ SKL 22-30	PFS2Z SKL 22-30	-
30-38	PFSZ SKL 30-38	PFS2Z SKL 30-38	-
38-48	PFSZ SKL 38-48	PFS2Z SKL 38-48	-
3-8	-	-	SS SKZ3-8
4-13.5	-	-	SS SKZ4-13.5
10-20	-	-	SS SKZ10-20
15-32	-	-	SS SKZ15-32
PU	10	10	10

Specifications

Material:

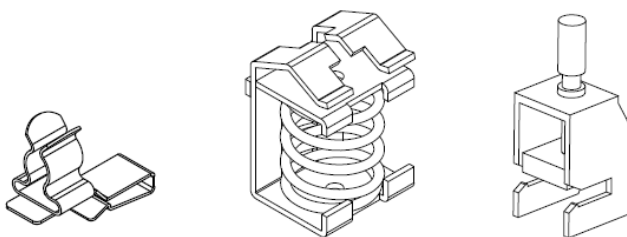
MSKL clamp, SKL clamp: Spring steel, zinc plated

PFS foot: Spring steel, zinc plated

SK bracket: Steel, galvanically zinc plated

EMC Shield Clamps

For 10×3mm Bus Bars with Strain Relief Function



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in deriving conducted disturbances.

Optional strain relief function: the cable is fixed via the cable jacket using cable ties.

Assembly

The shield clamps can be mounted on 10 × 3 mm bus bars.

Advantages & Benefits

- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free

Specifications

Material:

Spring steel, zinc plated

Range mm	Model	Model	Model
3-12	PFSZ SKL 3-12	-	-
8-18	PFSZ SKL 8-18	-	-
1.5-3	PFSZ SKL 1.5-3	-	-
3-6	PFSZ SKL 3-6	-	-
6-8	PFSZ SKL 6-8	-	-
8-11	PFSZ SKL 8-11	-	-
11-17	PFSZ SKL 11-17	-	-
17-22	PFSZ SKL 17-22	-	-
22-30	PFSZ SKL 22-30	-	-
30-38	PFSZ SKL 30-38	-	-
38-48	PFSZ SKL 38-48	-	-
3-8	-	SS SK3-8	-
4-13.5	-	SS SK4-13.5	-
10-20	-	SS SK10-20	-
15-32	-	SS SK15-32	-
2-5	-	-	SKS 2-5
3-8	-	-	SKS 3-8
3-14	-	-	SKS 3-14
3-20	-	-	SKS 3-20
5-28	-	-	SKS 5-28
20-35	-	-	SKS20-35

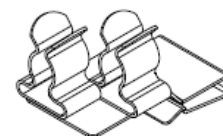
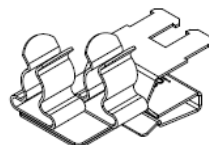
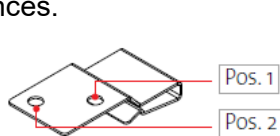
EMC Double Shield Clamps

For 10×3mm Bus Bars

Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in deriving conducted disturbances.

Optional strain relief function: the cable is fixed via the cable jacket using cable ties.



Assembly

The shield clamps can be mounted on 10 × 3 mm bus bars.

Advantages & Benefits

- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free

Specifications

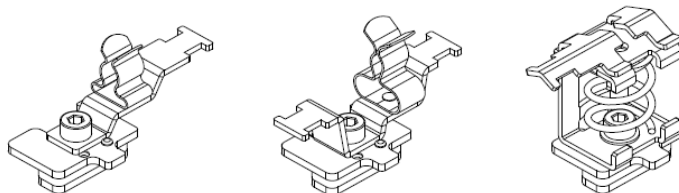
Material:

Spring steel, zinc plated

Range 1	Range 2	Model	Model
3-12	3-12	PFSZ2 SKL1	PFS2 SKL1
8-18	8-18	PFSZ2 SKL2	PFS2 SKL2
1.5-3	1.5-3	PFSZ2 SKL3	PFS2 SKL3
1.5-3	3-6	PFSZ2 SKL4	PFS2 SKL4
1.5-3	6-8	PFSZ2 SKL5	PFS2 SKL5
1.5-3	8-11	PFSZ2 SKL6	PFS2 SKL6
3-6	3-6	PFSZ2 SKL7	PFS2 SKL7
3-6	6-8	PFSZ2 SKL8	PFS2 SKL8
3-6	8-11	PFSZ2 SKL9	PFS2 SKL9
6-8	6-8	PFSZ2 SKL10	PFS2 SKL10
6-8	8-11	PFSZ2 SKL11	PFS2 SKL11
8-11	8-11	PFSZ2 SKL12	PFS2 SKL12
3-12	1.5-3	PFSZ2 SKL13	PFS2 SKL13
3-12	3-6	PFSZ2 SKL14	PFS2 SKL14
3-12	6-8	PFSZ2 SKL15	PFS2 SKL15
3-12	8-11	PFSZ2 SKL16	PFS2 SKL16
3-12	8-18	PFSZ2 SKL17	PFS2 SKL17
8-18	1.5-3	PFSZ2 SKL18	PFS2 SKL18
8-18	3-6	PFSZ2 SKL19	PFS2 SKL19
8-18	6-8	PFSZ2 SKL20	PFS2 SKL20
8-18	8-18	PFSZ2 SKL21	PFS2 SKL21

EMC Shield Clamps

For 30 mm C-Rails with Strain Relief Function



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in derating conducted disturbances.

Optional strain relief function: the cable is fixed via the cable jacket using cable ties.

Assembly

The shield clamps can be mounted on 30 mm C-rails using the SC mounting foot (included in the shipment).

Advantages & Benefits

- Integrated strain relief function
- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free
- Double strain relief: acc. to PROFINET installation guidelines

Specifications

Material:

Spring steel, zinc plated

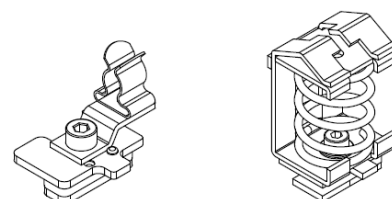
SC-foot: space-saving design enables high cable density. Mounting foot adjusts itself when tightening the screw.

Range mm	Model	Model	Model
3-12	SC LFZ SKL 3-12	SC LF2Z SKL 3-12	-
8-18	SC LFZ SKL 8-18	SC LF2Z SKL 8-18	-
1.5-3	SC LFZ SKL 1.5-3	SC LF2Z SKL 1.5-3	-
3-6	SC LFZ SKL 3-6	SC LF2Z SKL 3-6	-
6-8	SC LFZ SKL 6-8	SC LF2Z SKL 6-8	-
8-11	SC LFZ SKL 8-11	SC LF2Z SKL 8-11	-
11-17	SC LFZ SKL 11-17	SC LF2Z SKL 11-17	-
17-22	SC LFZ SKL 17-22	SC LF2Z SKL 17-22	-
22-30	SC LFZ SKL 22-30	SC LF2Z SKL 22-30	-
30-38	SC LFZ SKL 30-38	SC LF2Z SKL 30-38	-
38-48	SC LFZ SKL 38-48	SC LF2Z SKL 38-48	-
3-8	-	-	SC SKZ3-8
4-13.5	-	-	SC SKZ4-13.5
10-20	-	-	SC SKZ10-20
15-32	-	-	SC SKZ15-32



EMC Shield Clamps

For 30 mm C-Rails without Strain Relief Function



Product Description

Whenever a cable shielding is required with the possibility of grounding, EMC shield clamps can be used. Shield clamps are easy to use and effective in derivating conducted disturbances.

Assembly

The shield clamps can be mounted on 30 mm C-rails using the SC mounting foot (included in the shipment).

Advantages & Benefits

- Large cable shield contact area
- Easy, tool-less assembly
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Designed for high density applications
- Shock and vibration resistant, maintenance free

Specifications

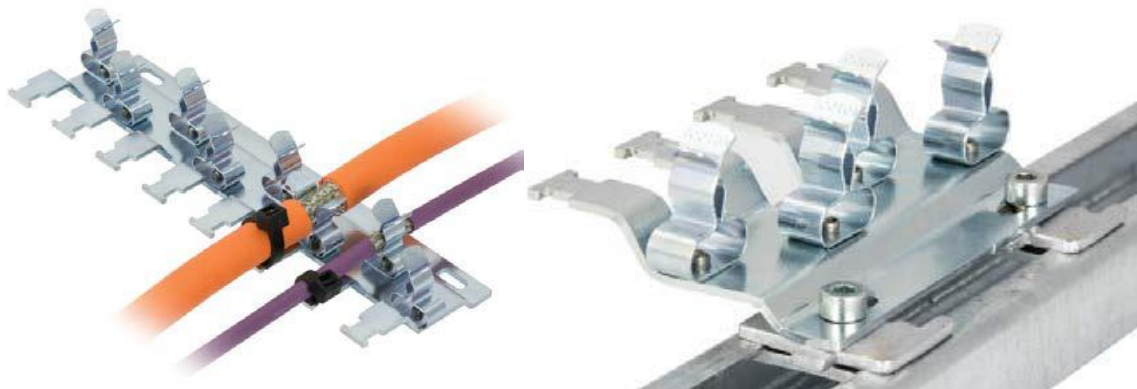
Material:

Spring steel, zinc plated

Range mm	Model	Model
3-12	SC LF SKL 3-12	-
8-18	SC LF SKL 8-18	-
1.5-3	SC LF SKL 1.5-3	-
3-6	SC LF SKL 3-6	-
6-8	SC LF SKL 6-8	-
8-11	SC LF SKL 8-11	-
11-17	SC LF SKL 11-17	-
17-22	SC LF SKL 17-22	-
22-30	SC LF SKL 22-30	-
30-38	SC LF SKL 30-38	-
38-48	SC LF SKL 38-48	-
3-8	-	SC SK3-8
4-13.5	-	SC SK4-13.5
10-20	-	SC SK10-20
15-32	-	SC SK15-32

RLFZ SC|RLFZ

EMC Clamp Assembly with Strain Relief and a Large Clamping Range



Product Description

The RLFZ-M range is a further development of the EMC clamp assembly which enables grounding and strain relief of up to 12 cable shields from 3-12 mm using only one shield clamp size.

There are 10 different carriers available which can be easily user configured with up to 12 MSKL 3-12 shield clamps.

Advantages & Benefits

- Easy storage due to large clamping range 3-12 mm
- Designed for high density applications
- Possibility to configure custom specific EMC clamp assemblies
- Separate strain relief and EMC shield grounding
- Online design tool for EMC Clamp assembly on

Specifications

Material:

Spring steel, zinc plated

Number of shield clamps	for Screw Mounting	For C-rail
2XSKL	RLFZX2	SC RLFZX2
3XSKL	RLFZX3	SC RLFZX3
4XSKL	RLFZX4	SC RLFZX4
5XSKL	RLFZX5	SC RLFZX5
6XSKL	RLFZX6	SC RLFZX6
7XSKL	RLFZX7	SC RLFZX7
8XSKL	RLFZX8	SC RLFZX8
9XSKL	RLFZX9	SC RLFZX9
10XSKL	RLFZX10	SC RLFZX10
11XSKL	RLFZX11	SC RLFZX11
12XSKL	RLFZX12	SC RLFZX12
Note: The specific configuration of each model is determined according to customer requirements.		

SF|RLFZ

EMC Clamp Assembly for 35 mm DIN Rail



Product Description

The SF|RLFZ range is based upon the RLFZ clamp assembly, which is mounted on snap feet for 35 mm DIN rails shape H.

There are 10 different carriers available, which can be user configured with up to 12 SKL shield clamps. The EMC shield clamps as listed below are available to mount:

SKL 1.5-3 | SKL 3-6 | SKL 6-8 | SKL 8-11

Advantages & Benefits

- Easy storage due to large clamping range 3-12 mm
- Designed for high density applications
- Possibility to configure custom specific EMC clamp assemblies
- Separate strain relief and EMC shield grounding
- Online design tool for EMC Clamp assembly on

Number of shield clamps	for Screw Mounting	PU
2XSKL	SF RLFZX2	1
3XSKL	SF RLFZX3	1
4XSKL	SF RLFZX4	1
5XSKL	SF RLFZX5	1
6XSKL	SF RLFZX6	1
7XSKL	SF RLFZX7	1
8XSKL	SF RLFZX8	1
9XSKL	SF RLFZX9	1
10XSKL	SF RLFZX10	1
11XSKL	SF RLFZX11	1
12XSKL	SF RLFZX12	1

Note: The specific configuration of each model is determined according to customer requirements.

Specifications

Material:

Spring steel, zinc plated

RLF SC|RLF without Strain Relief Function



Product Description

Comparable with the RLFZ clamp assembly, but without strain relief.

There are 10 different carriers available which can be user configured with up to 12 SKL shield clamps.

The EMC shield clamps as listed below are available to mount

SKL 1.5-3 | SKL 3-6 | SKL 6-8 | SKL 8-11

Advantages & Benefits

- Easy storage due to large clamping range 3-12 mm
- Designed for high density applications
- Possibility to configure custom specific EMC clamp assemblies
- Separate strain relief and EMC shield grounding
- Online design tool for EMC Clamp assembly on

Specifications

Material:

Spring steel, zinc plated

Number of shield clamps	for Screw Mounting	For C-rail
2XSKL	RLFX2	SC RLFX2
3XSKL	RLFX3	SC RLFX3
4XSKL	RLFX4	SC RLFX4
5XSKL	RLFX5	SC RLFX5
6XSKL	RLFX6	SC RLFX6
7XSKL	RLFX7	SC RLFX7
8XSKL	RLFX8	SC RLFX8
9XSKL	RLFX9	SC RLFX9
10XSKL	RLFX10	SC RLFX10
11XSKL	RLFX11	SC RLFX11
12XSKL	RLFX12	SC RLFX12
Note: The specific configuration of each model is determined according to customer requirements.		



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