

# EMC clamp assembly for screw assembly

with or without integrated strain relief



EMC clamp assemblies are used, where the shield of several cables must be connected to the earth potential. They are easy to use and enable effective earthing and strain relief of up to 12 cables in a small space. There are different carriers available which can be user configured with up to 12 SKL or MSKL shield clamps. The shield clamps are mounted directly on the surface of the clamp assembly which guarantees a tight fit.

When using types with integrated strain relief cables can be fixed via the cable jacket using cable ties. Thus strain relief in accordance with EN 62444 is achieved.

The EMC shield clamps as listed below are available to mount:

SKL 1.5-3 | SKL 3-6 | SKL 6-8 | SKL 8-11  
MSKL 3-12

The SKL shield clamps are assembled in a row, the MSKL shield clamps are assembled in a staggered double-row which enables an ideal and space-saving arrangement.

The clamp assembly is easily attached to mounting plates via screw.

**Configure your individual clamp assembly with the icotek EMC Configurator!**



## Specifications

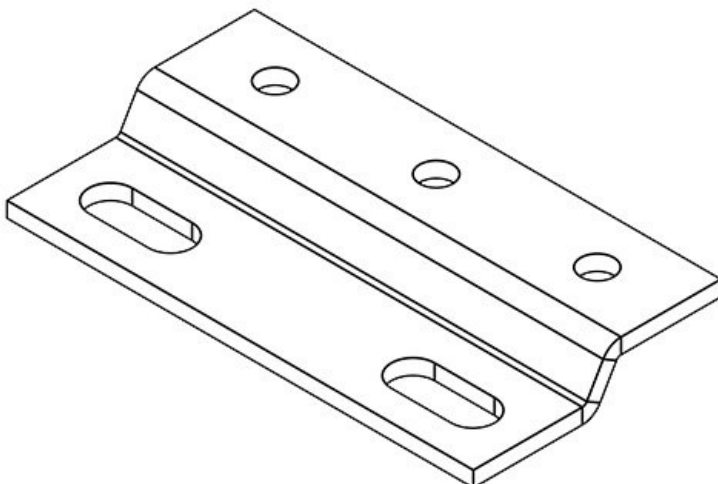
<b>Material</b>	Shield clamp: Spring steel, zinc plated Snap foot: Spring steel Mounting foot: Mild steel, galvanically zinc plated
<b>Properties</b>	vibration proof
<b>Mounting options</b>	Screw type mounting

## Advantages & benefits

- Large contact area
- Shield contact and strain relief separated
- Easy assembly and removal
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Shock and vibration resistant, maintenance free
- Designed for high density applications
- Possibility to configure custom specific EMC clamp assemblies

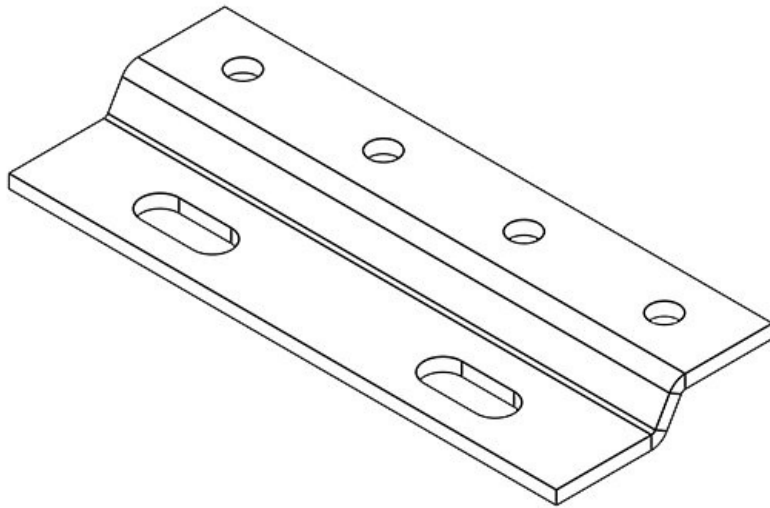
## Product types & sizes

RLF (x3)



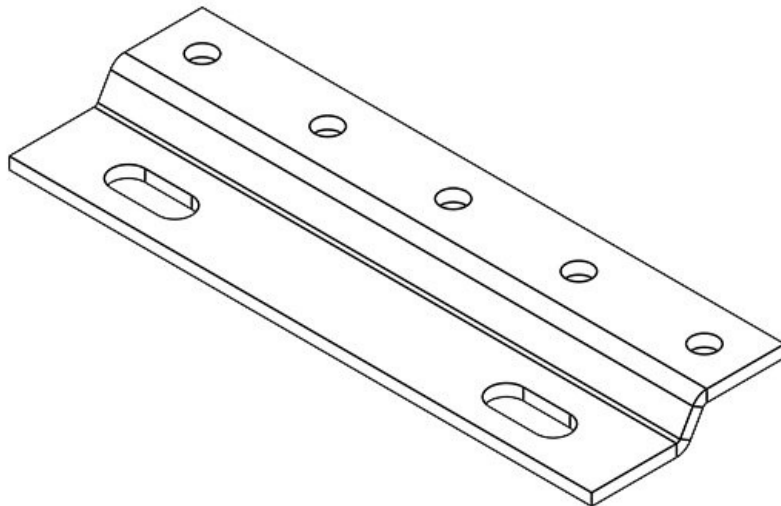
Part No.	<b>36965</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>191</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw holes	<b>2</b>
For no. of shield clamps	<b>3</b>	Diam. of screw holes	<b>4,2 mm</b>
For max. no. of cables	<b>3</b>		
Length	<b>46,2 mm</b>		
Width	<b>24 mm</b>		

RLF (x4)



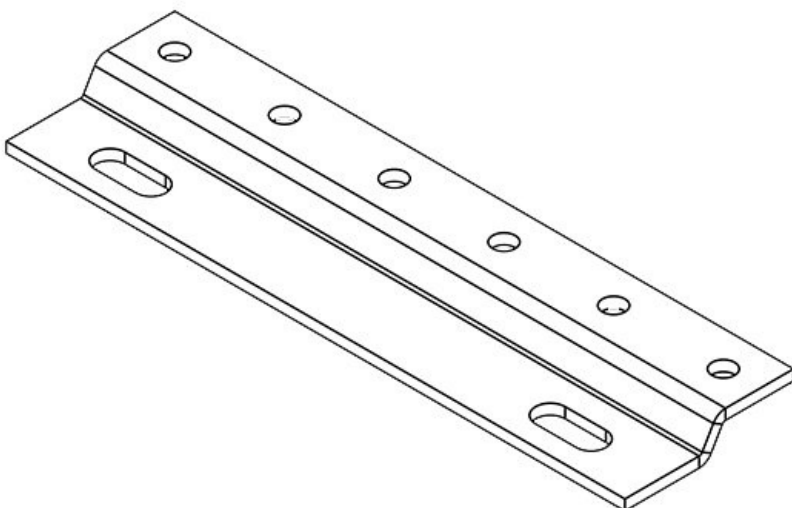
Part No.	<b>36984</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>207</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw	<b>2</b>
For no. of shield clamps	<b>4</b>	holes	
For max. no. of cables	<b>4</b>	Diam. of screw	<b>4,2 mm</b>
Length	<b>60,8 mm</b>	holes	
Width	<b>24 mm</b>		

RLF (x5)



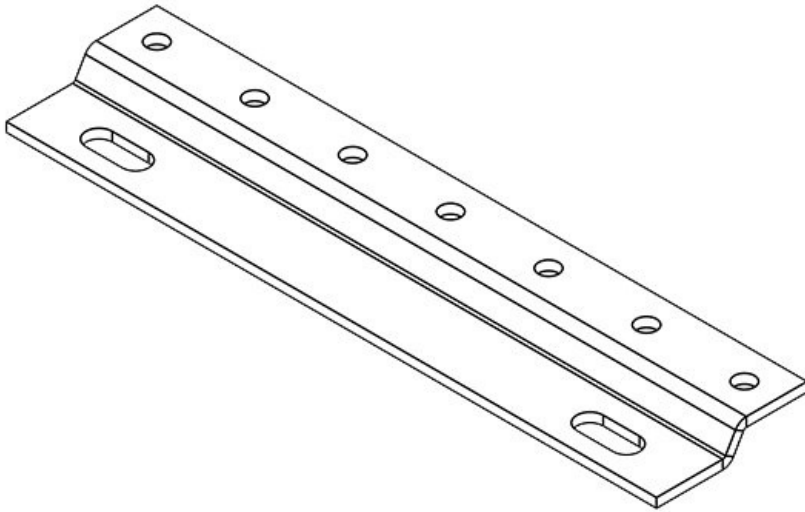
Part No.	<b>36958</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>160</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw	<b>2</b>
For no. of shield clamps	<b>5</b>	holes	
For max. no. of cables	<b>5</b>	Diam. of screw	<b>4,2 mm</b>
Length	<b>72,4 mm</b>	holes	
Width	<b>24 mm</b>		

RLF (x6)



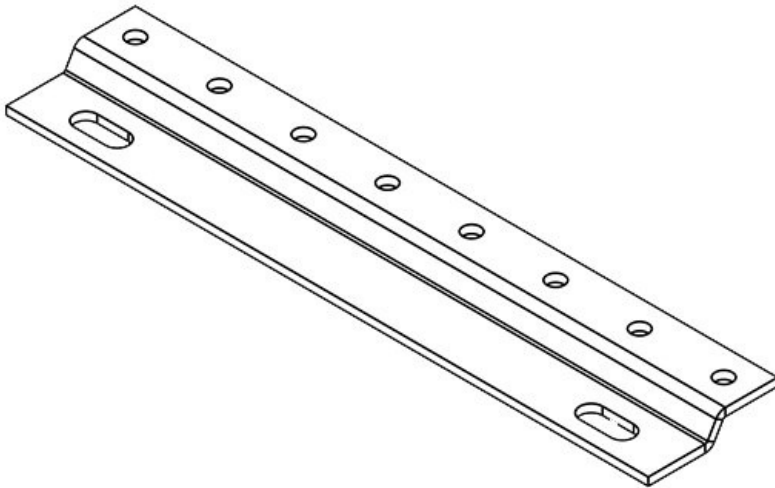
Part No.	<b>36952</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>122</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw	<b>2</b>
For no. of shield clamps	<b>6</b>	holes	
For max. no. of cables	<b>6</b>	Diam. of screw	<b>4,2 mm</b>
Length	<b>88 mm</b>	holes	
Width	<b>24 mm</b>		

RLF (x7)



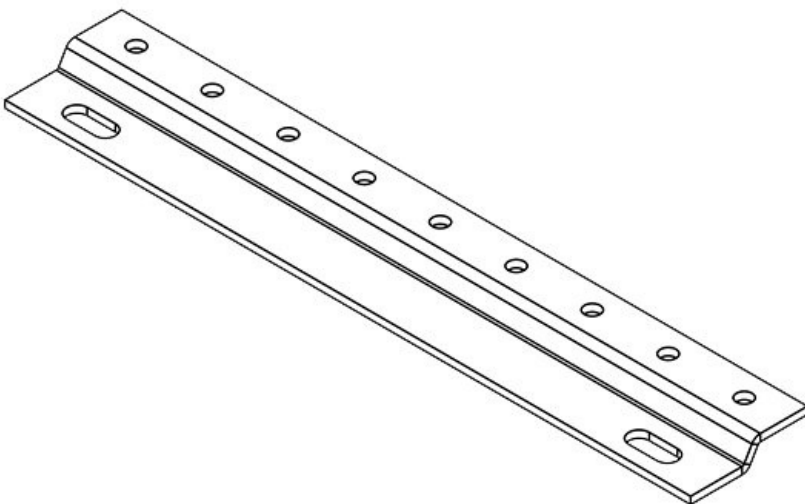
Part No.	<b>36963</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>184</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw holes	<b>2</b>
For no. of shield clamps	<b>7</b>	Diam. of screw holes	<b>4,2 mm</b>
For max. no. of cables			
Length	<b>103,6 mm</b>		
Width	<b>24 mm</b>		

RLF (x8)

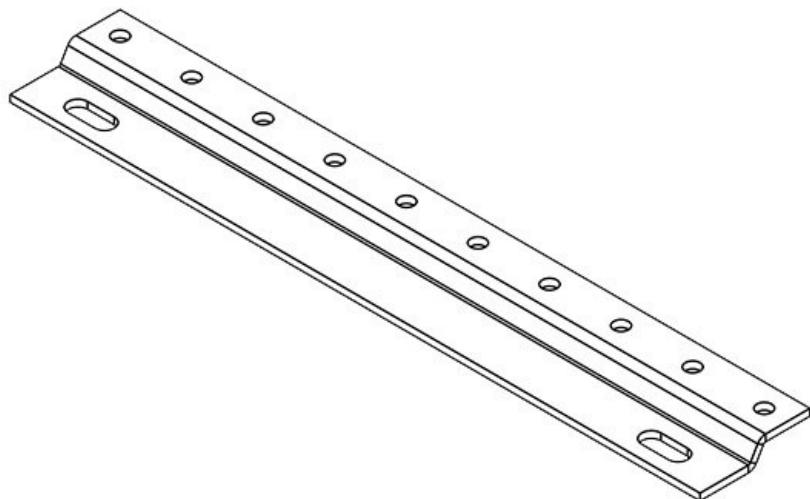


Part No.	<b>36953</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>139</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw holes	<b>2</b>
For no. of shield clamps	<b>8</b>	Diam. of screw holes	<b>4,2 mm</b>
For max. no. of cables			
Length	<b>119,2 mm</b>		
Width	<b>24 mm</b>		

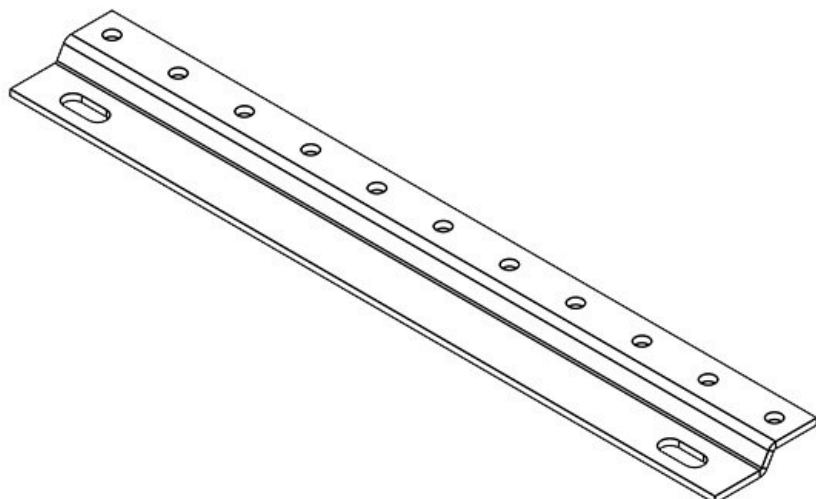
RLF (x9)



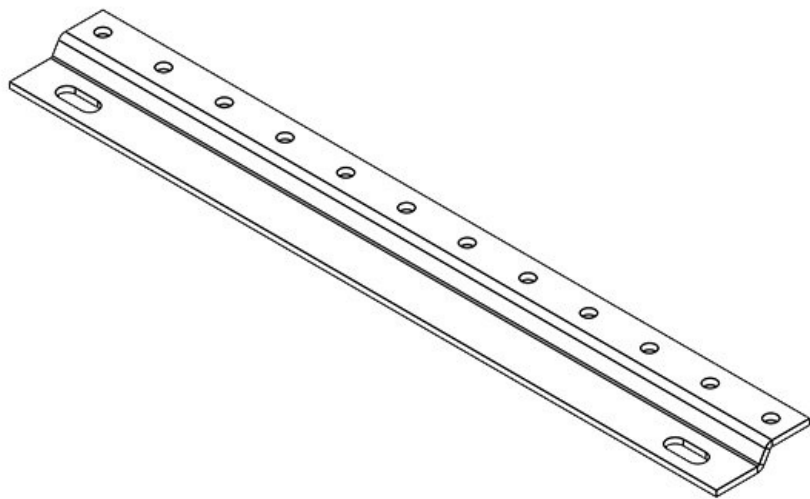
Part No.	<b>36985</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
	<b>214</b>	Hole size	<b>M4</b>
Package quantity	<b>1</b>	No. of screw holes	<b>2</b>
For no. of shield clamps	<b>9</b>	Diam. of screw holes	<b>4,2 mm</b>
For max. no. of cables			
Length	<b>140,8 mm</b>		
Width	<b>24 mm</b>		

**RLF (x10)**

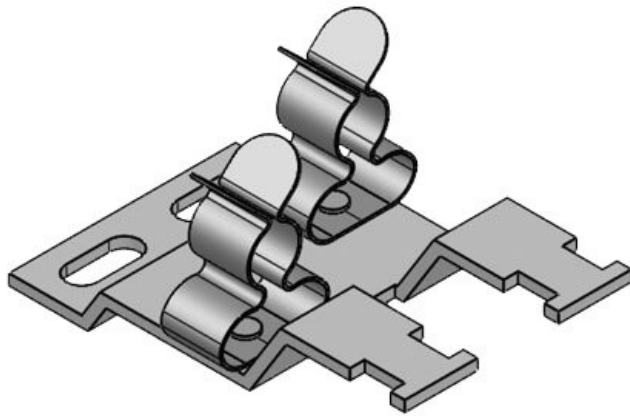
Part No.	<b>36954</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
Package quantity	<b>1</b>	Hole size	<b>M4</b>
For no. of shield clamps	<b>10</b>	No. of screw holes	<b>2</b>
For max. no. of cables	<b>10</b>	Diam. of screw holes	<b>4,2 mm</b>
Length	<b>150,4 mm</b>		
Width	<b>24 mm</b>		

**RLF (x11)**

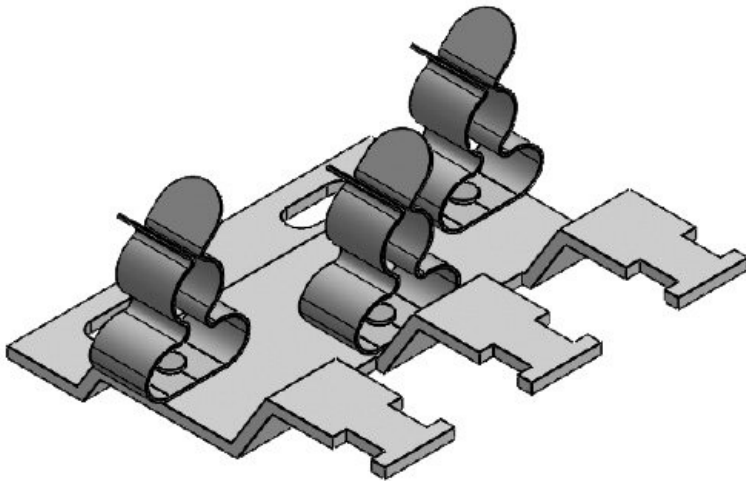
Part No.	<b>36955</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
Package quantity	<b>1</b>	Hole size	<b>M4</b>
For no. of shield clamps	<b>11</b>	No. of screw holes	<b>2</b>
For max. no. of cables	<b>11</b>	Diam. of screw holes	<b>4,2 mm</b>
Length	<b>166 mm</b>		
Width	<b>24 mm</b>		

**RLF (x12)**

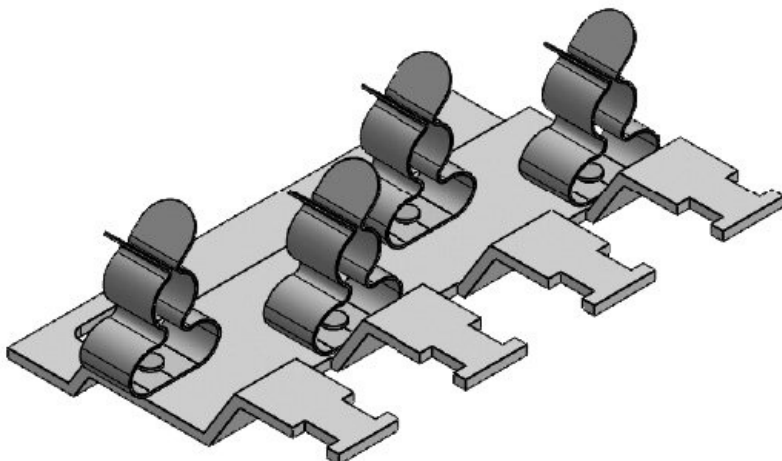
Part No.	<b>36962</b>	Height	<b>5,5 mm</b>
EAN	<b>4251269305</b>	Mounting height	<b>5,5 mm</b>
Package quantity	<b>1</b>	Hole size	<b>M4</b>
For no. of shield clamps	<b>12</b>	No. of screw holes	<b>2</b>
For max. no. of cables	<b>12</b>	Diam. of screw holes	<b>4,2 mm</b>
Length	<b>181,6 mm</b>		
Width	<b>24 mm</b>		

**RLFZ-M (x2)**

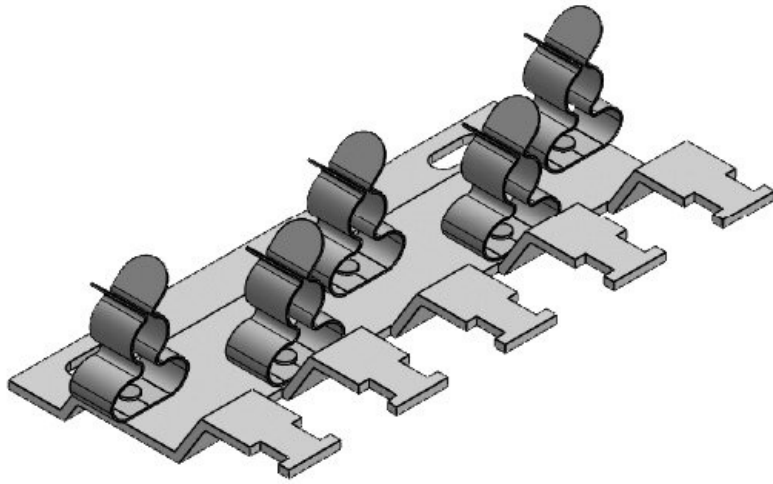
Part No.	<b>38069.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269322</b>	No. of screw	<b>2</b>
	<b>310</b>	holes	
Package quantity	<b>1</b>	Diam. of screw	<b>4,2 mm</b>
For no. of shield clamps	<b>2</b>	holes	
Width	<b>54,1 mm</b>	Strain relief	<b>1</b>
Height	<b>14,2 mm</b>	(acc. to EN 62444)	
Mounting height	<b>14,2 mm</b>	For max. no. of	<b>2</b>
		cables	
		Length	<b>36 mm</b>

**RLFZ-M (x3)**

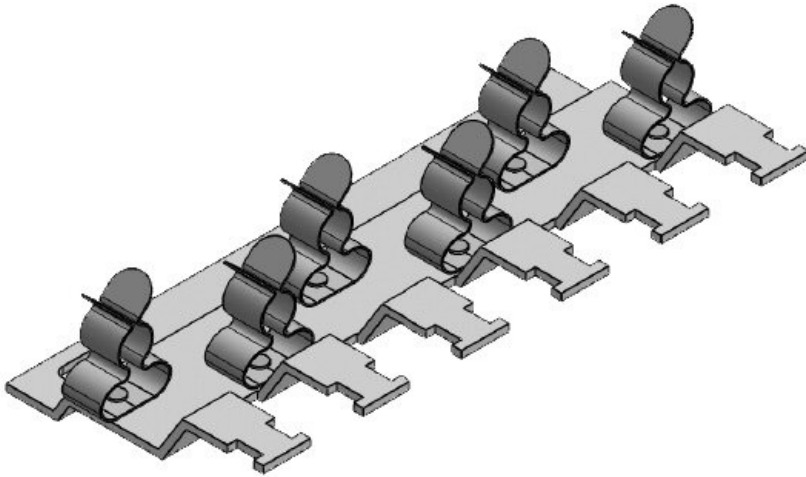
Part No.	<b>38070.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318</b>	No. of screw	<b>2</b>
	<b>016</b>	holes	
Package quantity	<b>1</b>	Diam. of screw	<b>4,2 mm</b>
For no. of shield clamps	<b>3</b>	holes	
Width	<b>54,1 mm</b>	Strain relief	<b>1</b>
Height	<b>14,2 mm</b>	(acc. to EN 62444)	
Mounting height	<b>14,2 mm</b>	For max. no. of	<b>3</b>
		cables	
		Length	<b>52 mm</b>

**RLFZ-M (x4)**

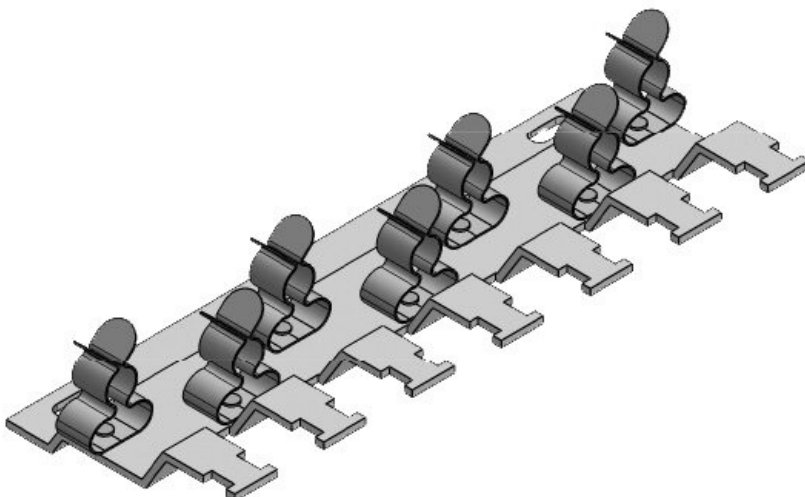
Part No.	<b>38071.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318</b>	No. of screw	<b>2</b>
	<b>023</b>	holes	
Package quantity	<b>1</b>	Diam. of screw	<b>4,2 mm</b>
For no. of shield clamps	<b>4</b>	holes	
Width	<b>54,1 mm</b>	Strain relief	<b>1</b>
Height	<b>14,2 mm</b>	(acc. to EN 62444)	
Mounting height	<b>14,2 mm</b>	For max. no. of	<b>4</b>
		cables	
		Length	<b>73 mm</b>

**RLFZ-M (x5)**

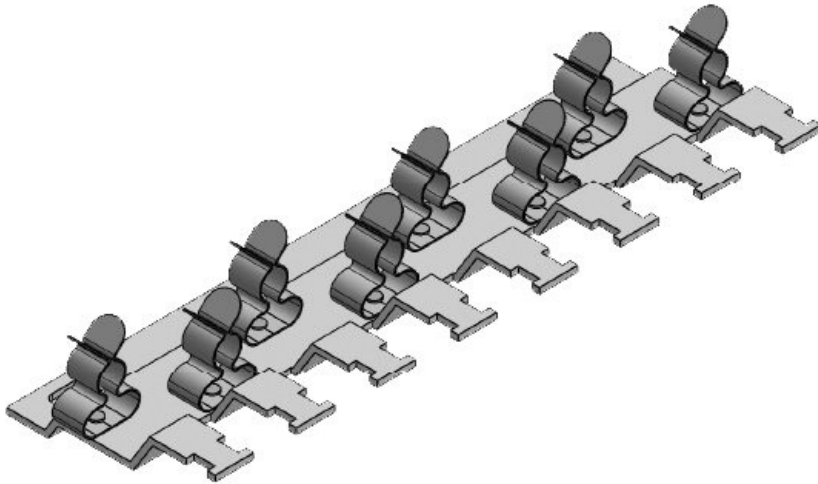
Part No.	<b>38072.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318030</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>5</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>54,1 mm</b>	For max. no. of cables	<b>5</b>
Height	<b>14,2 mm</b>	Length	<b>94 mm</b>
Mounting height	<b>14,2 mm</b>		

**RLFZ-M (x6)**

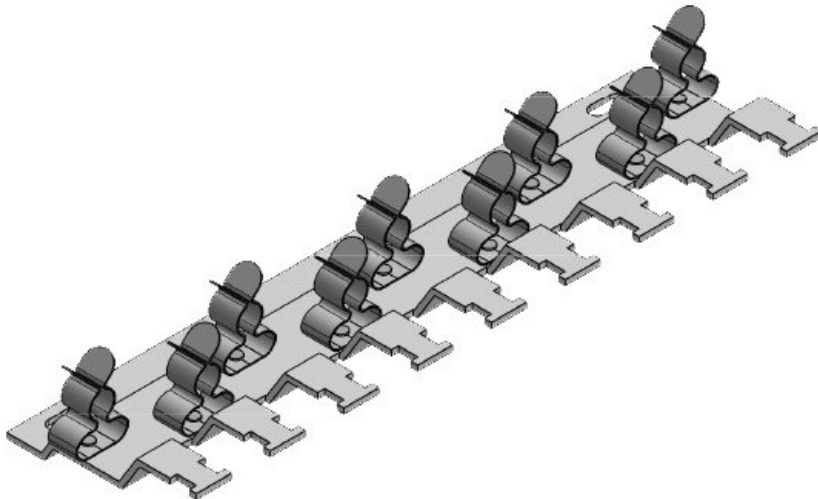
Part No.	<b>38073.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318047</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>6</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>54,1 mm</b>	For max. no. of cables	<b>6</b>
Height	<b>14,2 mm</b>	Length	<b>115 mm</b>
Mounting height	<b>14,2 mm</b>		

**RLFZ-M (x7)**

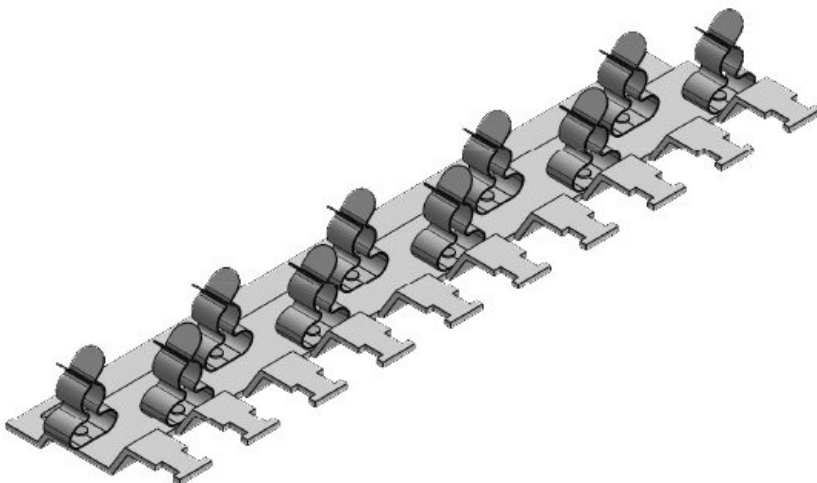
Part No.	<b>38074.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318054</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>7</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>54,1 mm</b>	For max. no. of cables	<b>7</b>
Height	<b>14,2 mm</b>	Length	<b>136 mm</b>
Mounting height	<b>14,2 mm</b>		

**RLFZ-M (x8)**

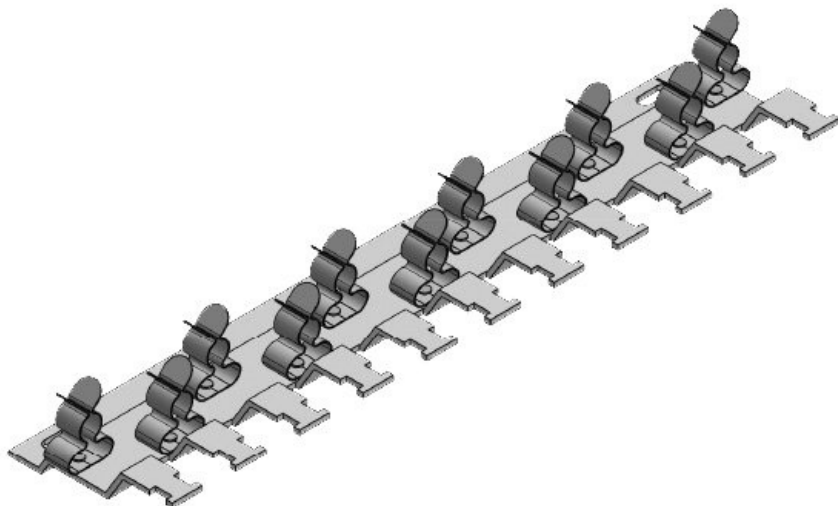
Part No.	<b>38075.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318061</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>8</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>54,1 mm</b>	For max. no. of cables	<b>8</b>
Height	<b>14,2 mm</b>	Length	<b>157 mm</b>
Mounting height	<b>14,2 mm</b>		

**RLFZ-M (x9)**

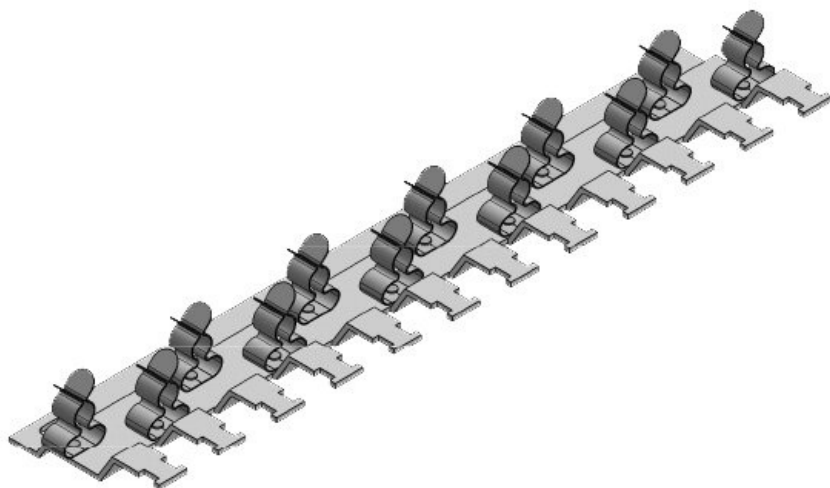
Part No.	<b>38076.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318078</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>9</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>54,1 mm</b>	For max. no. of cables	<b>9</b>
Height	<b>14,2 mm</b>	Length	<b>178 mm</b>
Mounting height	<b>14,2 mm</b>		

**RLFZ-M (x10)**

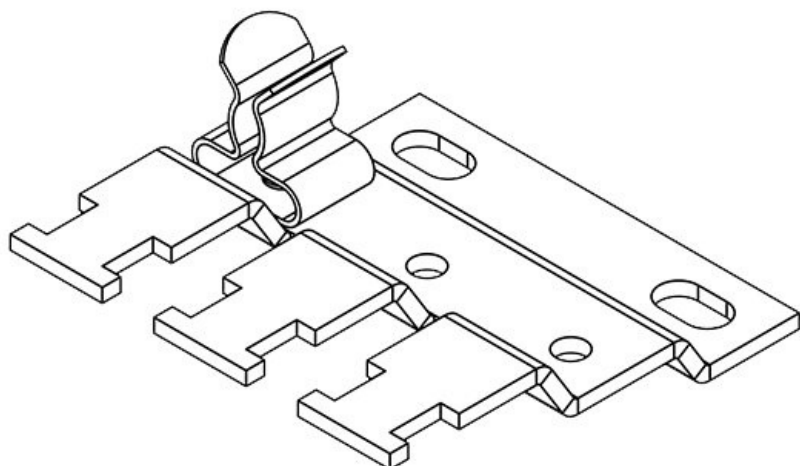
Part No.	<b>38077.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318085</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>10</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>54,1 mm</b>	For max. no. of cables	<b>10</b>
Height	<b>14,2 mm</b>	Length	<b>199 mm</b>
Mounting height	<b>14,2 mm</b>		

**RLFZ-M (x11)**

Part No.	<b>38078.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318</b>	No. of screw	<b>2</b>
	<b>092</b>	holes	
Package quantity	<b>1</b>	Diam. of screw	<b>4,2 mm</b>
For no. of shield clamps	<b>11</b>	holes	
Width	<b>54,1 mm</b>	Strain relief	<b>1</b>
Height	<b>14,2 mm</b>	(acc. to EN 62444)	
Mounting height	<b>14,2 mm</b>	For max. no. of	<b>11</b>
		cables	
		Length	<b>220 mm</b>

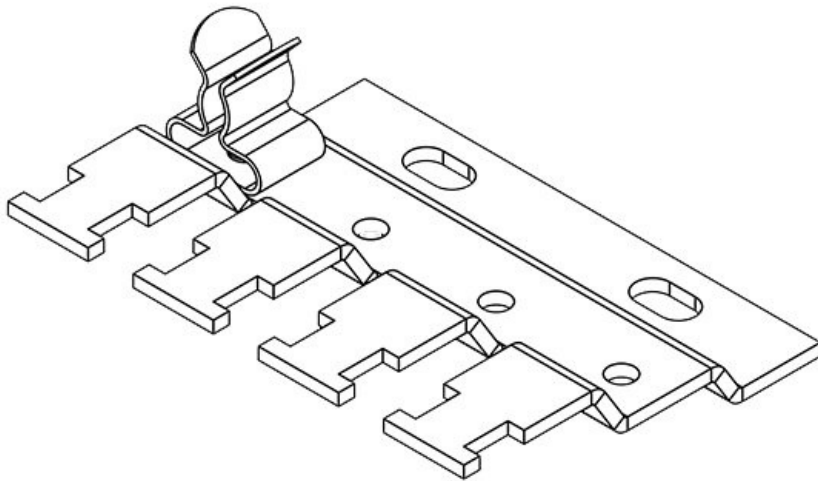
**RLFZ-M (x12)**

Part No.	<b>38079.002</b>	Hole size	<b>M4</b>
EAN	<b>4251269318</b>	No. of screw	<b>2</b>
	<b>108</b>	holes	
Package quantity	<b>1</b>	Diam. of screw	<b>4,2 mm</b>
For no. of shield clamps	<b>12</b>	holes	
Width	<b>54,1 mm</b>	Strain relief	<b>1</b>
Height	<b>14,2 mm</b>	(acc. to EN 62444)	
Mounting height	<b>14,2 mm</b>	For max. no. of	<b>12</b>
		cables	
		Length	<b>241 mm</b>

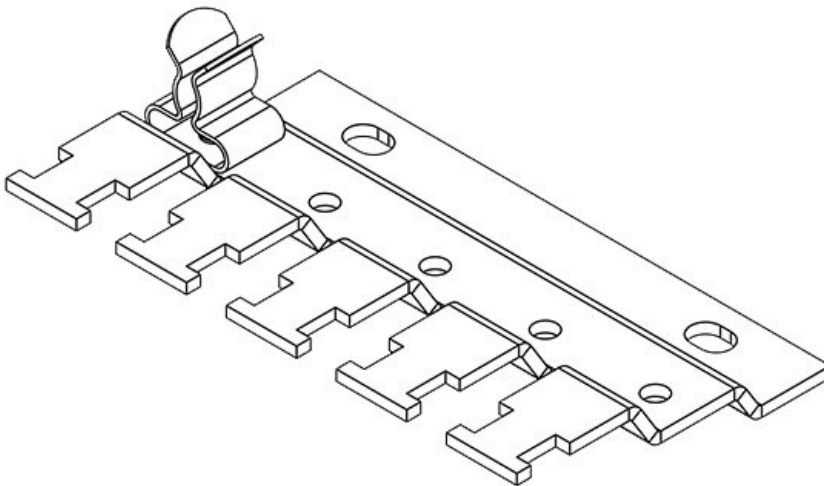
**RLFZ (x3)**

Part No.	<b>38005</b>	Hole size	<b>M4</b>
EAN	<b>4251269305</b>	No. of screw	<b>2</b>
	<b>757</b>	holes	
Package quantity	<b>1</b>	Diam. of screw	<b>4,2 mm</b>
For no. of shield clamps	<b>3</b>	holes	
Width	<b>44,4 mm</b>	Strain relief	<b>1</b>
Height	<b>10,5 mm</b>	(acc. to EN 62444)	
Mounting height	<b>10,5 mm</b>	For max. no. of	<b>3</b>
		cables	
		Length	<b>41,2 mm</b>

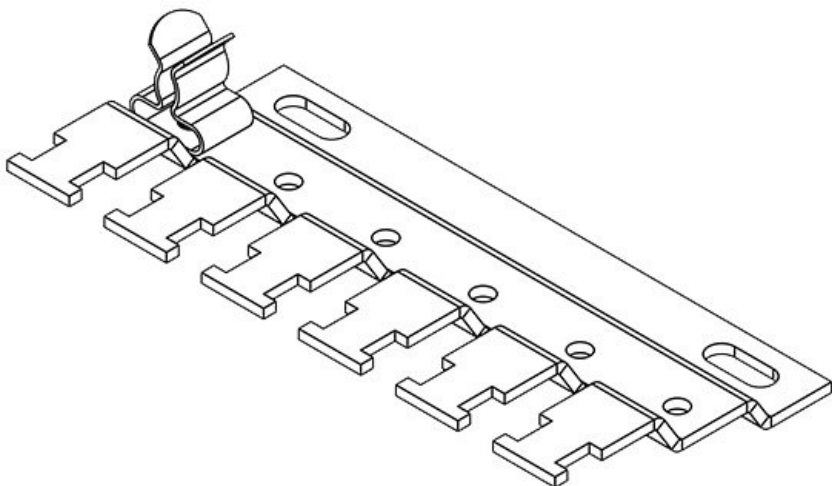


**RLFZ (x4)**

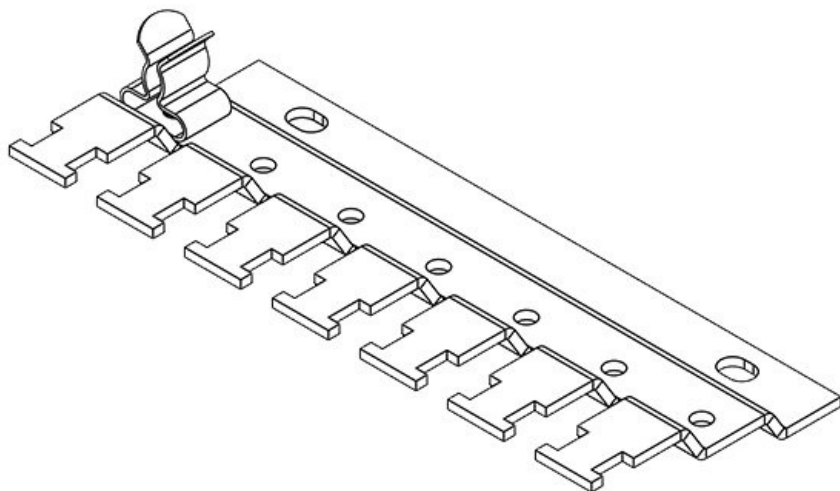
Part No.	<b>38010</b>	Hole size	<b>M4</b>
EAN	<b>4251269305764</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>4</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>4</b>
Height	<b>10,5 mm</b>	Length	<b>56,8 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x5)**

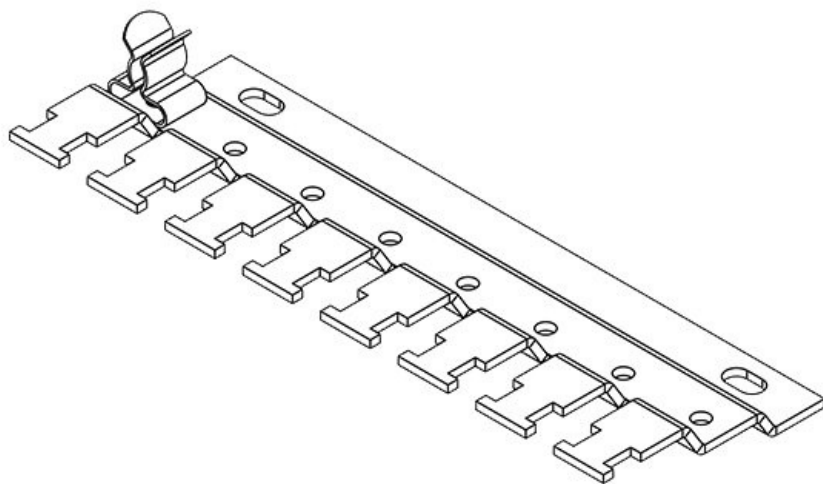
Part No.	<b>38015</b>	Hole size	<b>M4</b>
EAN	<b>4251269305771</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>5</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>5</b>
Height	<b>10,5 mm</b>	Length	<b>72,4 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x6)**

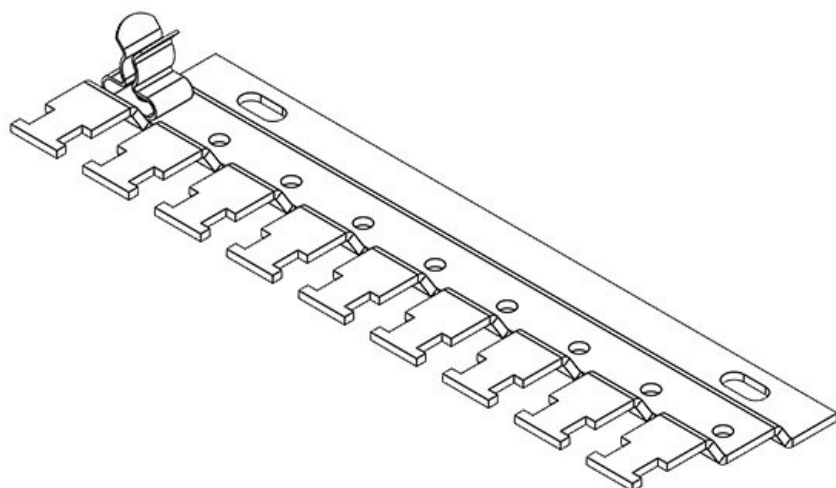
Part No.	<b>38020</b>	Hole size	<b>M4</b>
EAN	<b>4251269305788</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>6</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>6</b>
Height	<b>10,5 mm</b>	Length	<b>88 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x7)**

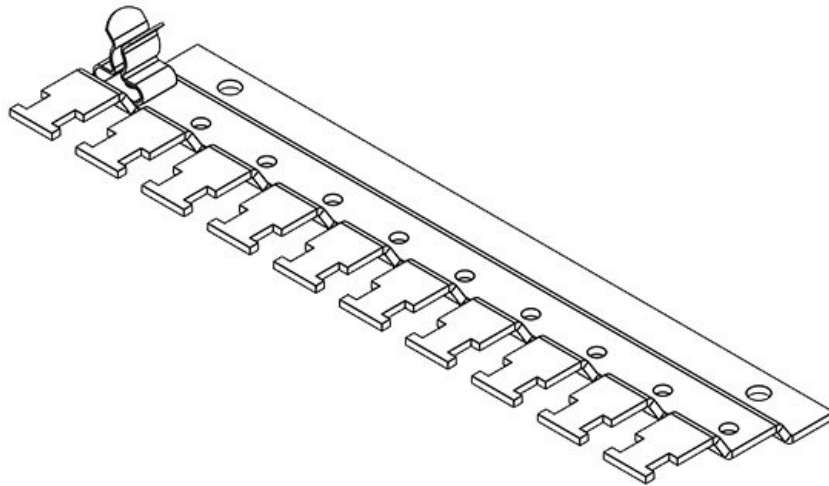
Part No.	<b>38025</b>	Hole size	<b>M4</b>
EAN	<b>4251269305795</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>7</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>7</b>
Height	<b>10,5 mm</b>	Length	<b>103,6 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x8)**

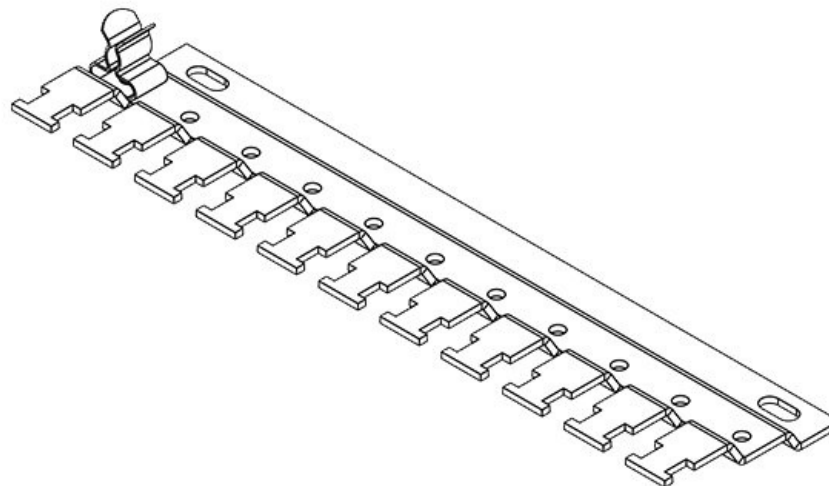
Part No.	<b>38030</b>	Hole size	<b>M4</b>
EAN	<b>4251269305801</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>8</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>8</b>
Height	<b>10,5 mm</b>	Length	<b>119,2 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x9)**

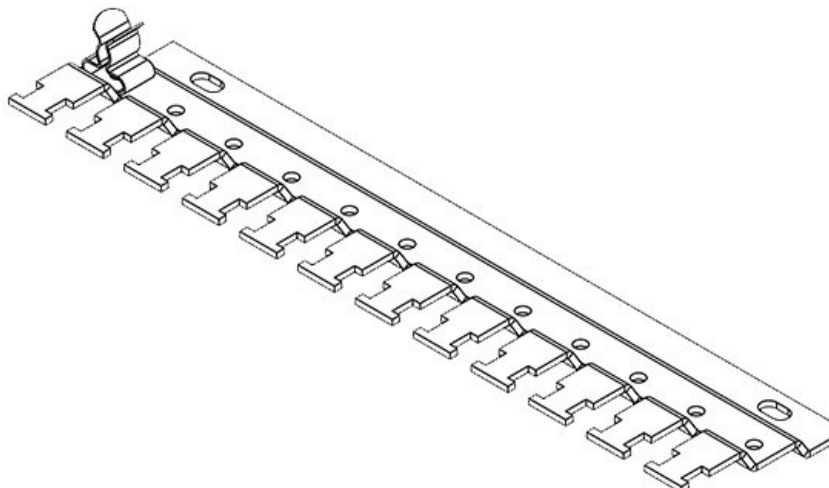
Part No.	<b>38035</b>	Hole size	<b>M4</b>
EAN	<b>4251269305818</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>9</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>9</b>
Height	<b>10,5 mm</b>	Length	<b>134,8 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x10)**

Part No.	<b>38040</b>	Hole size	<b>M4</b>
EAN	<b>4251269305825</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>10</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>10</b>
Height	<b>10,5 mm</b>	Length	<b>150,4 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x11)**

Part No.	<b>38045</b>	Hole size	<b>M4</b>
EAN	<b>4251269305832</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>11</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>11</b>
Height	<b>10,5 mm</b>	Length	<b>166 mm</b>
Mounting height	<b>10,5 mm</b>		

**RLFZ (x12)**

Part No.	<b>38050</b>	Hole size	<b>M4</b>
EAN	<b>4251269305849</b>	No. of screw holes	<b>2</b>
Package quantity	<b>1</b>	Diam. of screw holes	<b>4,2 mm</b>
For no. of shield clamps	<b>12</b>	Strain relief (acc. to EN 62444)	<b>1</b>
Width	<b>44,4 mm</b>	For max. no. of cables	<b>12</b>
Height	<b>10,5 mm</b>	Length	<b>181,6 mm</b>
Mounting height	<b>10,5 mm</b>		

