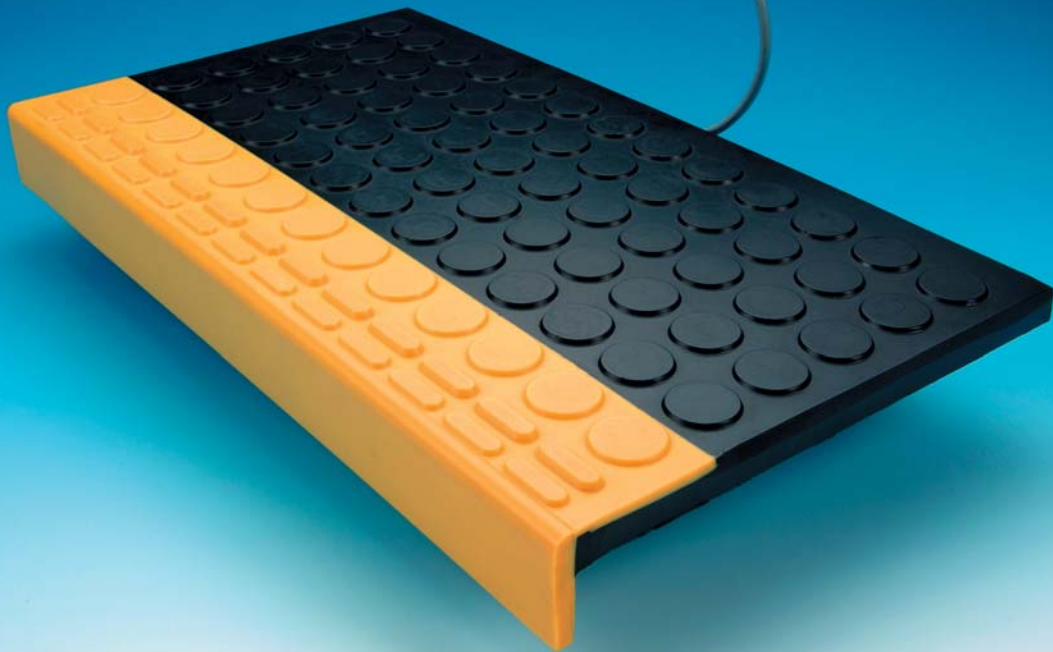


Stepping mat



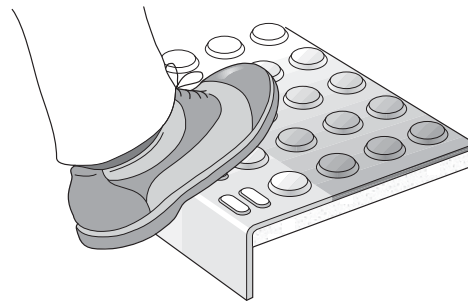
WORLD OF SENSORIC WORLD OF SENSORIC

**Stepping mat**

## Application and Function

Bircher Reglomat stepping mats are used to protect people from getting trapped in the doors of public transport vehicles. They safeguard the entrance area and therefore protect people against injury.

The function of the stepping mats corresponds to that of an electrical switch. When anyone steps on the surface of the mat, or a weight is placed on it, two electrical parallel contact surfaces are pressed together and the electrical circuit is made.



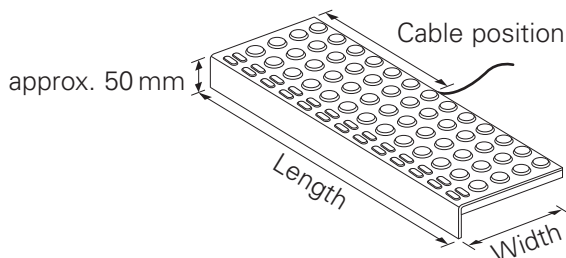
## Customer Benefits

- Wide-area protection in the danger zones of vehicle doors
- Various individual sizes and shapes available
- Insensitive to the effects of weather and to contamination of the surface
- Can be used both as a safety element and for people-counting at the same time

## Technical data

<b>Moulding material</b>	Polyurethane		
<b>Dimensions</b>	max. 1600 x 400 mm, min. 500 x 250 mm, thickness 11.4 mm		
<b>Inactive zone</b>	20 mm edge zone		
<b>Manufacturing tolerance</b>	Length and width = +1/-1.5 mm; thickness = +0.5/-1 mm		
<b>Colour</b>	black, yellow or black with front area yellow		
<b>Surface structure</b>	round studded (see picture)		
<b>Weight</b>	11.5 kg/m <sup>2</sup>		
<b>Ambient temperature</b>	-25° C to +70° C (operation and storage)		
<b>Loading capacity</b>	1 x 2000 N/cm <sup>2</sup> 1 mill. x 10000 N with test object 80 mm 5 mill. x 750 N with test object 80 mm, mat in combination with ES switching device		
<b>Response time</b>	50 ms with ESD3 switching device		
<b>Actuating force</b>	< 350 N (per EN 1760-1)		
<b>Degree of protection</b>	IP67		
<b>Humidity</b>	max. 90 % relative		
<b>Insulating strength</b>	> 1500 V AC		
<b>No-load resistance</b>	> 10 MOhm, other values on request		
<b>Cable type</b>	twin wire 2 x 0.34 mm <sup>2</sup>		
<b>Cable length</b>	Standard 300 mm, with plug connector / customer-specific without plug connector, max. 5 m		
<b>Composition</b> (> 1 % share of weight)	– Polyurethane PUR (moulding material) – Fibreglass epoxy resin (contact surface substrate) – Copper (contact surfaces, cables)		
<b>Chemical resistance of PUR</b>	Weather, ozone ⊕	Oils, gasoline ⊕	⊕ No limits on use
	Water 20° ⊕	Solvents, acids ⊕	○ Certain limits on use
	Water 60° C ○		⊖ Use not recommended

## Dimensions



## Required ordering information

- Type: Stepping mat
- Shape / length x width
- Cable length
- Cable position (distance from edge)
- Colour

## Your contact

### Bircher Reglomat AG

Wiesengasse 20  
CH-8222 Beringen  
Switzerland  
Phone +41(0)52 687 11 11  
Fax +41(0)52 687 12 10  
info@bircher.com  
www.bircher-reglomat.com

### Note:

Technical details and recommendations concerning our products are based on experience and are an aid for the orientation of the user. Details stated in our brochures and data sheets do not guarantee special properties of the products. This does not apply to special product properties confirmed in writing or individually on a case-by-case basis. Subject to technical alterations.