

The UM 122 profile component housings are particularly suited for the creation of large volume industrial power electronics to accommodate easily accessible multiple interfaces with pluggable modules, or to configure extensive, individual rail-mountable electronic circuits.

It is designed to accept PCBs with a width of 122 mm.

This profile is also cut to length by us to suit the module length and space requirements (without prescribed pitch) up to a length of 100 cm.

The smallest modules, UM 122-LG 13 with 13 x 127.5 mm, are made by snapping on two side elements.

By using the UM 122-A/U 92 profile cover, shock and dust-proof electronic modules can be designed. The protection type is IP20. The cover can be tailored to suit your requirements and can be labeled using the corresponding grooves. To prevent the cover from being unintentionally removed, a seal can be attached. The module is fixed by screwing it to the standard DIN rail.

Numerous options for external conductor connections, such as electronic PCB terminal blocks, screw and slip-on connection or COMBICON connectors, round off the range.

Details concerning the housing dimensions can be found in the downloadcenter at [www.phoenixcontact.net/download](http://www.phoenixcontact.net/download).

#### Order information for UM 122

In order to determine the profile length, 0.95 cm must be subtracted from the PCB length.

The length of the cover corresponds to the PCB length minus 0.18 cm.

The overall length of the module, i.e. including the side elements, corresponds to the profile length plus 1.35 cm per side element.

A minimum profile length of 3 cm is required to guarantee mounting.

The printed circuit board area available for components is reduced by 2 mm at the edges of the profiles and on the front of the side elements.

The profile cover must be chosen 0.77 cm longer than the drawn section.

#### Information concerning the housing:

PVC profile, inflammability class V0 (UL 94)






Polyamide PA side elements, inflammability class V0 (UL 94)

Profile cover PC, inflammability class V2 (UL 94)

1) To define the profile length and width, please observe the order key.



**UM122-PROFIL**

Description	Type	Order No.	Pcs. / Pkt.
<b>Drawn section</b>			
Fixed length 100 cm	<b>UM122-PROFIL 100CM</b>	<b>2914576</b>	1
Cut to length according to customer specifications <sup>1)</sup>	<b>UM -PROFIL</b>	<b>2952020</b>	1
<b>Side element with foot</b> , 5 mm wide, right hand side, for mounting on  or 	<b>UM122-SEFE/R</b>	<b>2908786</b>	10
<b>Side element with foot</b> , 5 mm wide, left hand side, for mounting on  or 	<b>UM122-SEFE/L</b>	<b>2908773</b>	10
<b>13 mm wide module</b> , consisting of two side elements, PCB dimensions: 11.7 x 122 mm	<b>UM122-LG 13</b>	<b>2908809</b>	10
<b>Side element</b> , with screw fixture to attach cover UM 122 to 	<b>UM122-SEMFE-A92</b>	<b>2909442</b>	10
<b>U profile cover</b> , for UM 122, 92 mm wide	<b>UM122-A/U92</b>	<b>2909455</b>	1
<b>Foot element</b> , for UM 122 profile housing	<b>UM122-FE</b>	<b>2909471</b>	10
<b>Phoenix module marker carrier</b> , for labeling modules and PCBs, for hole diameters 3.9 to 4.1 mm, thickness of the housing wall or PCB: 1.5 to 2.0 mm, lettering field: 29.8 x 8 mm	<b>PMB</b>	<b>1004364</b>	50
<b>Insert strips</b> , for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm	<b>AP-ES</b>	<b>5022685</b>	10
<b>Marker pen, not refillable</b> , for manual labeling, line thickness 0.5 mm	<b>B-STIFT</b>	<b>1051993</b>	10
<b>Technical data</b>			
Type of housing			
Electronic housings			PVC / V0

The **UM...** profile panel mounting bases are available in the following fixed lengths:

Description	Type	Order No.	Pcs. Pkt.
<b>Design width 25 mm</b> Fixed length 100 cm	UM 25-PROFIL 100 CM	29 15 79 5	1
<b>Design width 45 mm</b> Fixed length 100 cm	UM 45-PROFIL 100 CM	29 14 55 0	1
<b>Design width 72 mm</b> Fixed length 100 cm	UM 72-PROFIL 100 CM	29 07 58 3	1
<b>Design width 100 mm</b> Fixed length 100 cm	UM 100-PROFIL 100 CM	29 14 56 3	1
<b>Design width 108 mm</b> Fixed length 100 cm	UM 108-PROFIL 100 CM	29 07 52 5	1
<b>Design width 122 mm</b> Fixed length 100 cm	UM 122-PROFIL 100 CM	29 14 57 6	1