

# Data Sheet for Aluminium Housing

Electronics aluminium housing

Series EUKAP FM



The EUKAP FM series of small aluminium enclosures are designed for printed circuit boards with a max. 1.6 or 1.8 mm thick. The enclosures are available in 3 external heights 16/20/24 mm, standard lengths 50/80/100 mm and for board widths 21..67.5 mm. For the F3, F6, F10, F12 and F16 enclosures, D-sub connectors with the appropriate number of poles can be fitted directly without a front panel. The enclosures are supplied as a kit consisting of 2 profiles, 2 end plates and screws. The finish is anodised aluminium or black anodised aluminium.

## Data Profile

Material	EN AW 6060 T66
Colour	Aluminium anodised or black anodised

Profile kind	External dim. height	External dim. width	Internal dim. height	PCB width	PCB depth	PC groove x 2	D-Sub plug
F3	16 mm	33 mm	12 mm	21.7 mm	≤ 1.8 mm	1	9-pole
F4	20 mm	33 mm	16 mm	29 mm	≤ 1.6 mm	1	-
F5	24 mm	33 mm	20 mm	29 mm	≤ 1.6 mm	2	-
F6	16 mm	41.3 mm	12 mm	29.3 mm	≤ 1.8 mm	1	15-pole
F7	20 mm	41.3 mm	16 mm	37.3 mm	≤ 1.6 mm	1	-
F8	24 mm	41.3 mm	20 mm	37.3 mm	≤ 1.6 mm	2	-
F16	16 mm	55 mm	12 mm	43 mm	≤ 1.8 mm	1	25-pole
F20	20 mm	55 mm	16 mm	51 mm	≤ 1.6 mm	1	-
F24	24 mm	55 mm	20 mm	51 mm	≤ 1.6 mm	2	-
F9	16 mm	69 mm	12 mm	57 mm	≤ 1.8 mm	1	-
F10	20 mm	69 mm	16 mm	65.4 mm	≤ 1.6 mm	1	50-pole
F11	24 mm	69 mm	20 mm	65.4 mm	≤ 1.6 mm	2	-
F12	16 mm	71.5 mm	12 mm	59.5 mm	≤ 1.8 mm	1	37-pole
F13	20 mm	71.5 mm	16 mm	67.5 mm	≤ 1.6 mm	1	-
F14	24 mm	71.5 mm	20 mm	67.5 mm	≤ 1.6 mm	2	-

## Data End plates (included in delivery)

Material	AlMg1
Colour	Aluminium anodised or black anodised
Material thickness	2 mm
Feed for screws	2 x 2 screws M3x10 included in delivery
Fastening torque of screws	min. 0.7 Nm

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## Order Code

Description	Selection: <b>standard=black/bold</b> , possible <i>options=grey/italic</i>			
<b>Series:</b>	<b>EUKAP FM</b>			
<b>Hight x width external dimensions:</b>				
16 mm x 33 mm		<b>F3</b>		
20 mm x 33 mm		<b>F4</b>		
24 mm x 33 mm		<b>F5</b>		
16 mm x 41,3 mm		<b>F6</b>		
20 mm x 41,3 mm		<b>F7</b>		
24 mm x 41,3 mm		<b>F8</b>		
16 mm x 55 mm		<b>F16</b>		
20 mm x 55 mm		<b>F20</b>		
24 mm x 55 mm		<b>F24</b>		
16 mm x 69 mm		<b>F9</b>		
20 mm x 69 mm		<b>F10</b>		
24 mm x 69 mm		<b>F11</b>		
16 mm x 71,5 mm		<b>F12</b>		
20 mm x 71,5 mm		<b>F13</b>		
24 mm x 71,5 mm		<b>F14</b>		
<b>Profile length:</b>				
50 mm			<b>50</b>	
80 mm			<b>80</b>	
100 mm			<b>100</b>	
<i>Option custom length &lt;1000 mm (MOQ 25 pcs.)</i>			<i>xxxx</i>	
<b>Profile and end plates colour:</b>				
Aluminium anodised				<b>A</b>
Aluminium black anodised				<b>N</b>

**For higher quantities or on-going demand, additional options are available as described below on request.**

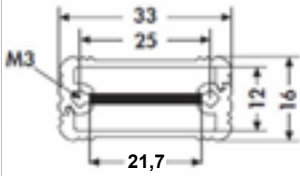
For Example: Processing of the housings such as drilling, punching, milling etc. as well as printing. Customized processing of end plates other thicknesses or materials and much more.

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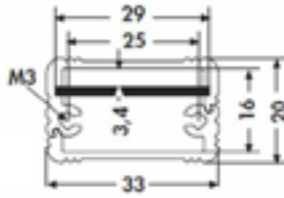
Electronics aluminium housing

Series EUKAP FM

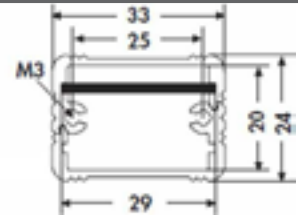
## Drawing housing



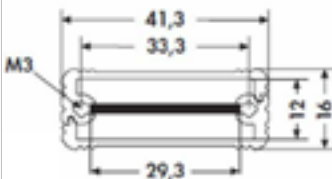
**F3**  
D-Sub 9-polig



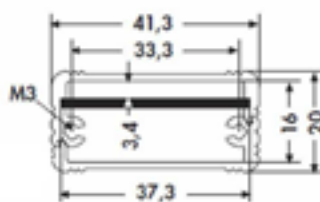
**F4**



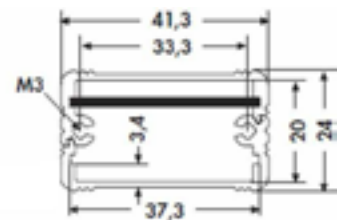
**F5**



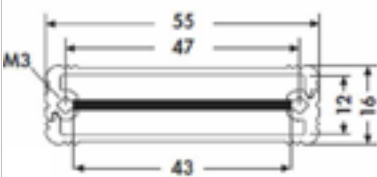
**F6**  
D-Sub 15-polig



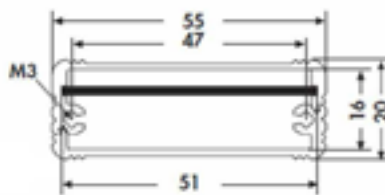
**F7**



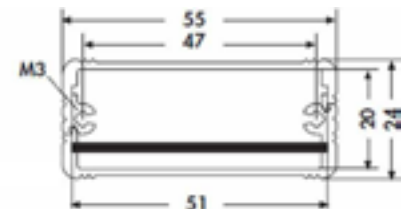
**F8**



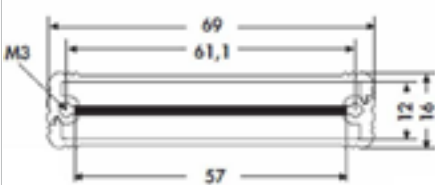
**F16**  
D-Sub 25-polig



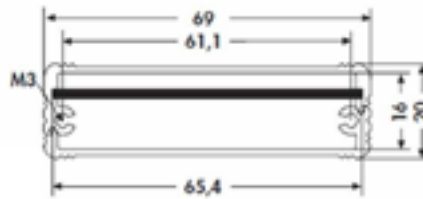
**F20**



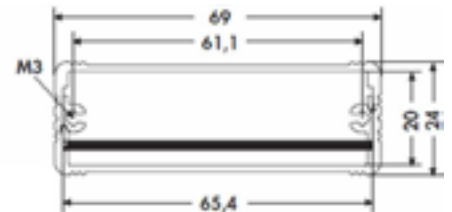
**F24**



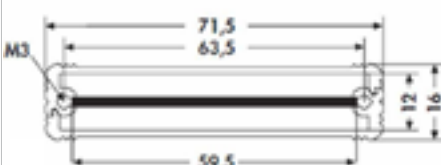
**F9**



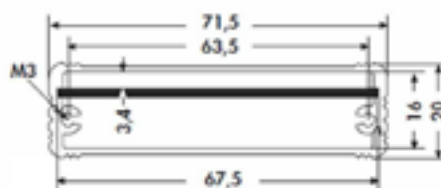
**F10**  
D-Sub 50-polig



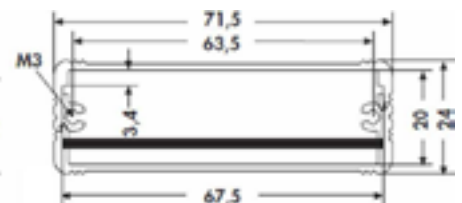
**F11**



**F12**  
D-Sub 37-polig



**F13**



**F14**