

Dear Sir or Madam

Thank you for your interest in the Weidmüller CH20M electronics enclosure.

Please note the following information and guidelines when requesting **CH20M12-67** samples with printing and/or cut-outs.

A) The template must be available as a **step** or **.dxf** file.

B) For **lettering** on the housing, the **line width**, **font size** and **font** must be specified.

B1) Specify the font size in mm, not in pt.

C) The **line width** is also required for **symbols** etc.

C1) Logos/symbols/images in black and white and as a dxf file.

C2) **Company logos** must be available as a **dxf file**.

D) **Pad printing** is possible after consultation. see picture (1-3)

(Attention: **pad printing** on the base is not possible)

E) **Laser marking** is possible wherever **surfaces are flat and horizontal**.

See picture (1-4)

F) Please note: The front has a fixed alignment to the base due to an anti-twist device in the form of two contours of different widths in the base! - See picture (4)

It must be clearly recognizable from the drawing in which orientation the printing/processing is to take place.

Please indicate **all necessary views** in the **drawing**.

G) The **cut-outs in the front (F/FC)** are produced by lasering and milling:

G1) Lasering: Edge distance on the long side 2.7 mm, web thickness ≥ 0.5 mm, corner radius ≥ 0.1 mm

G2) Milling: edge distance on the long side 2.7 mm, web thickness ≥ 1.00 mm, corner radius ≥ 1.00 mm

H) The **cut-outs on the side surfaces of the base (B)** are produced by laser cutting and milling.

H1) Laser cutting: Edge distance on the long side 4.0 mm, web thickness ≥ 0.5 mm, corner radius ≥ 0.1 mm

H2) Milling: edge distance on long side 4.0 mm, web thickness ≥ 1.00 mm, corner radius ≥ 1.00 mm

See image (5)

I) Production of **additional cut-outs in the base** area of the base (B) **on request**.

J) For the manufacturing tolerances, please refer to the appendix Figure (6). More precise manufacturing tolerances on request.

We look forward to working with you and will produce your sample as soon as possible.

If you have any questions, please contact our customer support.

Your OMNIMATE® CH20M electronics housing team

Translated with DeepL.com (free version)

Attachment:

Labeling/printing areas (hatched)

Image (1) (front / F) / applies to pad printing (limited) + laser marking

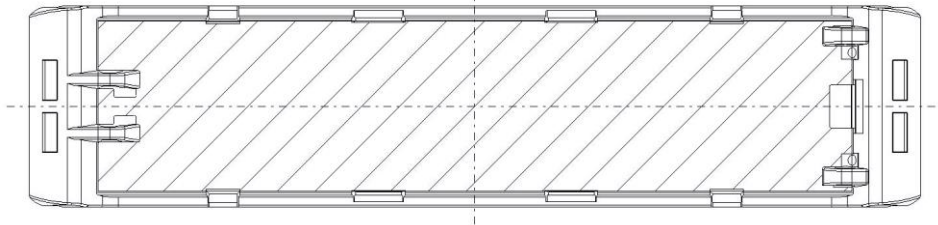


Image (2) (front closed / FC) applies to pad printing + laser marking

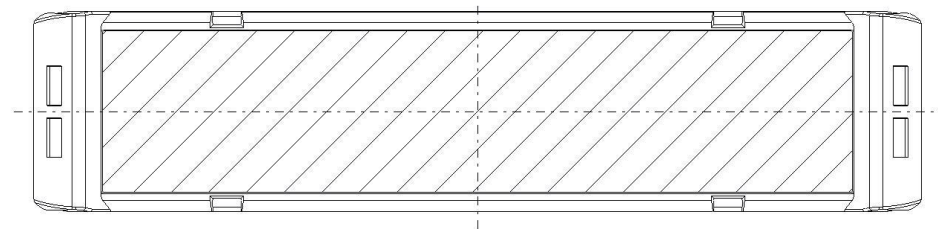


Image (3) (Cover / C) applies to pad printing + laser marking

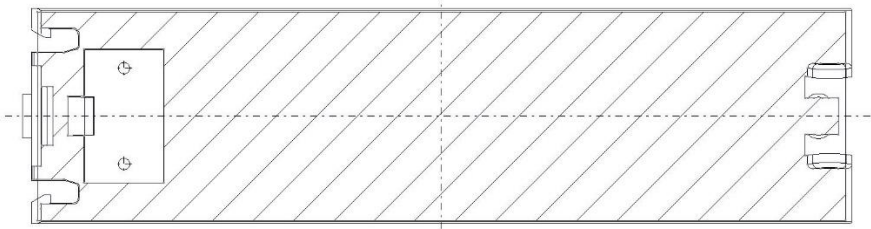


Image (4) (Base (B) / side view left/right / laser marking

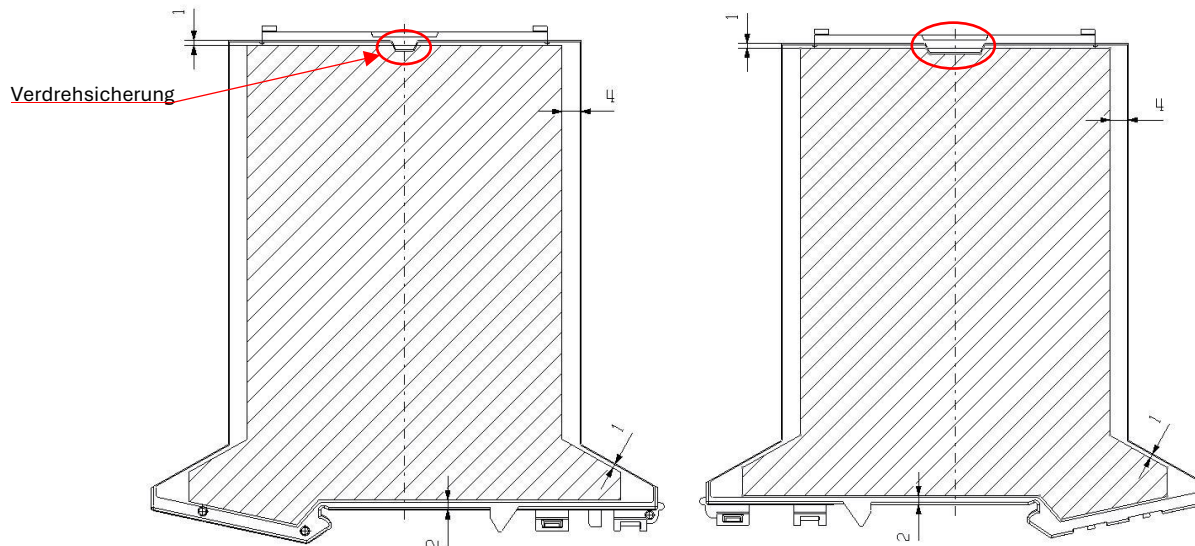


Image (5) (Base (B) / side view left/right / machining surfaces

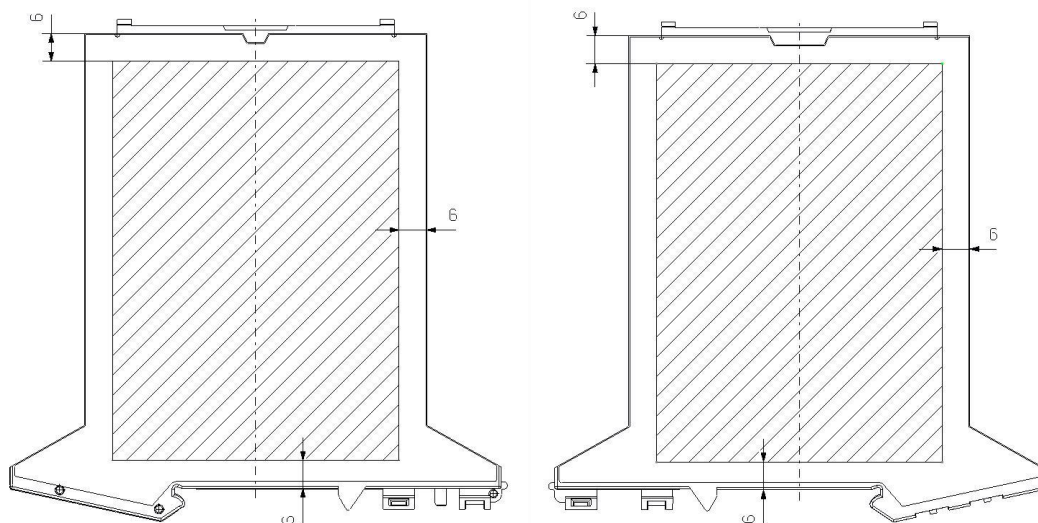


Image (6) Manufacturing tolerances according to DIN ISO 2768-m

Tolerance class	Limit dimension for nominal dimension according to DIN ISO 2768-m in (mm)			
Nominal dimension	0,5 to 3	3 to 6	6 to 30	30 to 120
m (medium)	$\pm 0,1$	$\pm 0,1$	$\pm 0,2$	$\pm 0,3$