

## OMNIMATE Housing - series CH20M CH20M6 C TP 8089

**Weidmüller Interface GmbH & Co. KG**  
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### The electronics world in a single slice

With a width of only 6.1 mm, a wide range of compact applications originates from this electronic development expertise.

The modular housing design supports the engineering with many intelligent features:

- **Maximum freedom of design** with large total surface area (6800 mm<sup>2</sup>) on the PCB – enabling the maximum component assembly with the space-saving form of the reflow-compatible THR terminals.
- **Customised design opportunities** with laser printing and housing colours, individual processing options, variable printing, and easily labelled hinged cover
- **Maximum processing efficiency** with reflow-compatible connection elements for reflow soldering in machine-ready tape packaging.
- **Error-free assembly and solder processes** with optimised frame and connecting adapter shapes on the PCB resulting in a perfect fit and positioning of the connection elements
- **Quick installation** with features such as "Wire Ready" or the all-purpose Multi-Tool screw head

The combination of extensive knowledge from electronics developers and Weidmüller competence - creating innovative synergy for electronics applications.

### General ordering data

Type	CH20M6 C TP 8089
Order No.	<a href="#">1073410000</a>
Version	Modular housing, OMNIMATE Housing - series CH20M Transparent, Tilt cover, Width: 6.1 mm
GTIN (EAN)	403224883 1203
Qty.	50 pc(s).

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**Technical data**
**Dimensions and weights**

Length	69.8 mm	Length (inches)	2.748 inch
Width	6.1 mm	Width (inches)	0.24 inch
Height	6.75 mm	Height (inches)	0.266 inch
Net weight	0.64 g		

**System characteristics**

Version	Tilt cover	Contact to terminal rail	No
Protection degree	IP20	Encapsulation option	No

**Material data**

Insulating material	PC	Colour	Transparent
Insulating material group	IIIa	Comparative Tracking Index (CTI)	≥ 250
UL 94 flammability rating	V-0	Max. relative humidity during storage	80 %
Operating temperature, min.	-40 °C	Operating temperature, max.	120 °C

**Classifications**

ETIM 6.0	EC001031	ETIM 7.0	EC001031
eClass 9.0	27-18-27-90	eClass 9.1	27-18-27-90
eClass 10.0	27-18-27-92		

**Approvals**

ROHS	Conform
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**Downloads**

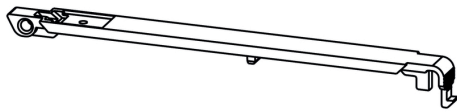
Brochure/Catalogue	<a href="#">FL ANALO.SIGN.CONV. EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">CAT 2 PORTFOLIOGUIDE EN</a> <a href="#">FL MACHINE SAFETY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>
Engineering Data	<a href="#">EPLAN</a>
Engineering Data	<a href="#">STEP</a>

**Data sheet**

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**Drawings**

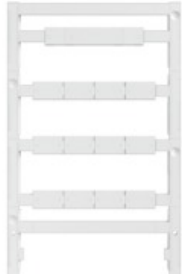


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**Accessories**

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Accessories for the analogue signal processing products:

- End plates: for components with terminal-block design
- Retaining clips: for mounting IP6X signal isolators and displays
- Calibration devices: for calibrating and setting analogue signal converters
- MICRO interface: for direct transmission to a controller thus minimizing the wiring overhead
- markers
- Programming adapter: for configuring PC-configurable modules
- Cross-connector
- Power supply modules / power supplies
- Optional connection terminals and cold-junction compensation terminals

**General ordering data**

Type	MF 5/7.5 MC NE WS	Version
Order No.	<a href="#">1877680000</a>	MultiFit, Terminal marker, 5 x 7.5 mm, Pitch in mm (P): 7.50 Adels
GTIN (EAN)	4032248468270	RKW, Phoenix, white
Qty.	320 pc(s).	