

OMNIMATE Housing - series CH20M CH20M6 C BK 1819

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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 mm²) 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 BK 1819
Order No.	2418620000
Version	Tilt cover, OMNIMATE Housing - series CH20M black, Transparent, Tilt cover, Width: 6.1 mm
GTIN (EAN)	4032248899142
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	0.65 g		

System characteristics

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

Material data

Insulating material	PC	Colour	black, Transparent
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
CTI	≥ 225	UL 94 flammability rating	V-2
Storage temperature, min.	-40 °C	Storage temperature, max.	85 °C
Max. relative humidity during storage	80 %	Operating temperature, min.	-40 °C
Operating temperature, max.	120 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	85 °C		

Classifications

ETIM 5.0	EC001031	ETIM 6.0	EC001031
eClass 6.2	27-18-09-90	eClass 7.1	27-18-27-02
eClass 8.1	27-18-27-02	eClass 9.0	27-18-27-90
eClass 9.1	27-18-27-90		

Notes

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Approvals

ROHS	Conform
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Downloads

Brochure/Catalogue	FL ANALO.SIGN.CONV. EN MB DEVICE MANUF. EN CAT 2 PORTFOLIOGUIDE EN FL MACHINE SAFETY EN FL 72H.SAMPLE.SER EN PO OMNIMATE EN
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Data sheet

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Drawings

