

## OMNIMATE Housing - series CH20M CH20M22 S PPSC BK 2010

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### Superior efficiency, flexibility and design - the "standard tailor-made fit"

When selecting a housing design, flexibility is a key factor. Other important criteria are: scalability, customised design, innovative functionality and cost efficiency. You need a choice which offers the maximum performance with the minimum overhead.

The CH20M22 modular electronics housing is the standard format from amongst the different housing widths. It has the optimal width for most typical electronics applications.

The entire system is characterized by excellence: outstanding scalability and flexibility, a high security level, innovative application functionality and a variety of practical details.

- **Quicker installation** with features such as "Wire ready" the universal multi-tool screw head
- **User-friendly operations:** with clear and permanent labelling and extra marking possibilities, integrated release clip or transparent cover
- **Maximum interference immunity** with ESD-compliant construction featuring deeply overlapping module joint edges made from high-performance plastic
- **High operational reliability** with the unique Auto-Set coding system and featuring double-sided touch protection on the pin header and socket blocks

CH20M - a compact name for the most flexible system available on the market. It doesn't just stand for "Component Housing IP20 Modular". CH20M also stands for efficiency and innovation throughout design, production and use.

### General ordering data

|            |   |
|------------|---|
| Type       | CH20M22 S PPSC BK 2010  |
| Order No.  | <a href="#">2418650000</a>  |
| Version    | Side element, OMNIMATE Housing - series CH20M black, Width: 22.5 mm |
| GTIN (EAN) | 4032248899128   |
| Qty.       | 10 pc(s).   |

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

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Length     | 105.5 mm | Length (inches) | 4.154 inch |
| Width      | 22.5 mm  | Width (inches)  | 0.886 inch |
| Height     | 22.83 mm | Height (inches) | 0.899 inch |
| Net weight | 8.8 g    |                 |            |

**System characteristics**

|                           |    |                             |    |
|---------------------------|----|-----------------------------|----|
| Number of connections     | 8  | Number of connection levels | 2  |
| Number of PCBs per module | 1  | Contact to terminal rail    | No |
| Encapsulation option      | No |                             |    |

**Material data**

|                                       |             |                                       |        |
|---------------------------------------|-------------|---------------------------------------|--------|
| Insulating material                   | PA 66 GF 30 | Colour                                | black  |
| Colour chart (similar)                | RAL 9011    | Insulating material group             | II     |
| CTI                                   | ≥ 550       | UL 94 flammability rating             | V-0    |
| 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**

Notes

**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

|                    |   |
|--------------------|---|
| Brochure/Catalogue | <a href="#">CAT 2 PORTFOLIOGUIDE EN</a> |
| Engineering Data   | <a href="#">STEP</a>                    |

**Data sheet**

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**Drawings**

