

OMNIMATE Housing - series CH20M CH20M45 FC 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 CH20M45 modular electronics housings come in an integrated extra-large assortment. It is suited for those electronics applications that require more space, such as compact controllers and power supplies.

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 EMC-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 | CH20M45 FC BK 2010 |
| Order No. | 1164800000 |
| Version | Modular housing, OMNIMATE Housing - series CH20M black, Front element, closed, Width: 45 mm |
| GTIN (EAN) | 4032248954810 |
| Qty. | 30 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Length | 15.5 mm | Length (inches) | 0.61 inch |
| Width | 45 mm | Width (inches) | 1.772 inch |
| Height | 100.3 mm | Height (inches) | 3.949 inch |
| Net weight | 10.347 g | | |

System characteristics

| | | | |
|----------------------|-----------------------|--------------------------|----|
| Version | Front element, closed | 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 |
| Comparative Tracking Index (CTI) | ≥ 550 | 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 |
|------|---------|

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 |
| Engineering Data | EPLAN |
| Engineering Data | STEP |

Data sheet

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Drawings

