

**CH20M45 S P2SC/P2SC BK 2010****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****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**

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Version    | Modular housing, OMNIMATE Housing - series CH20M black, Width: 45 mm |
| Order No.  | <a href="#">1166180000</a>                                           |
| Type       | CH20M45 S P2SC/P2SC BK 2010                                          |
| GTIN (EAN) | 4032248957019                                                        |
| Qty.       | 6 pc(s).                                                             |

## CH20M45 S P2SC/P2SC BK 2010

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Height         | 22.83 mm   | Height (inches) | 0.899 inch |
| Length         | 105.49 mm  | Length (inches) | 4.153 inch |
| Net weight     | 19.667 g   | Width           | 45 mm      |
| Width (inches) | 1.772 inch |                 |            |

## Temperatures

|                             |                                                   |                          |                |
|-----------------------------|---------------------------------------------------|--------------------------|----------------|
| Operating temperature range | -40 °C...120 °C                                   | Installation temperature | -25 °C...85 °C |
| Humidity                    | 5 - 93% rel. humidity, Tu = 40°C, no condensation |                          |                |

## Component Properties

|                                                       |    |                             |   |
|-------------------------------------------------------|----|-----------------------------|---|
| Cut out as preparation for functional port integrated | No | Number of connection levels | 2 |
| Number of cooling levels                              | 4  | Number of poles, max.       | 8 |

## General data

|                      |       |                        |          |
|----------------------|-------|------------------------|----------|
| Colour               | black | Colour chart (similar) | RAL 9011 |
| Encapsulation option | No    |                        |          |

## Material data

|                                  |       |                           |             |
|----------------------------------|-------|---------------------------|-------------|
| Comparative Tracking Index (CTI) | ≤ 600 | Insulating material       | PA 66 GF 30 |
| Insulating material group        | I     | UL 94 flammability rating | V-0         |

## 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 | ECLASS 11.0 | 27-18-27-92 |

## Approvals

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

## Downloads

|                  |                       |
|------------------|-----------------------|
| Engineering Data | <a href="#">STEP</a>  |
| Engineering Data | <a href="#">EPLAN</a> |

## CH20M45 S P2SC/P2SC BK 2010

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

# Drawings

**Product image**



**Product image**

