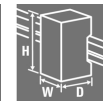


**CH20M45 S 2PSC/2PSC TYL 2083****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The side element of the CH20M housing offers you the option of an individual structure that can be flexibly adapted to your needs. A particularly practical advantage is that slots that are not required can simply be closed with covers. This not only ensures a clean and tidy appearance, but also protects against dust and other environmental influences. Take advantage of the versatility of the CH20M housing to design your projects efficiently and according to your ideas!

**General ordering data**

|                                                               |                                                                                          |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Version                                                       | Side element, OMNIMATE Housing - series CH20M Traffic yellow, Side element, Width: 45 mm |
| Order No.                                                     | <a href="#">1327990000</a>                                                               |
| Type                                                          | CH20M45 S 2PSC/2PSC TYL 2083                                                             |
| GTIN (EAN)                                                    | 4050118132250                                                                            |
| Qty.                                                          | 6 pc(s).                                                                                 |
| Information regarding whole assembly, see referenced articles | <a href="#">1104410000</a>                                                               |

Creation date May 11, 2025 5:41:55 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

## CH20M45 S 2PSC/2PSC TYL 2083

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 105.3 mm | Depth (inches)  | 4.146 inch |
| Height     | 22.8 mm  | Height (inches) | 0.898 inch |
| Width      | 45 mm    | Width (inches)  | 1.772 inch |
| Net weight | 0.021 g  |                 |            |

## Temperatures

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

## Material data

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

## General data

|                      |                |                        |                         |
|----------------------|----------------|------------------------|-------------------------|
| Colour               | Traffic yellow | Colour chart (similar) | RAL 1023                |
| Encapsulation option | No             | Protection degree      | IP20 in installed state |

## Component properties

|                                                       |    |                                  |   |
|-------------------------------------------------------|----|----------------------------------|---|
| Cut out as preparation for functional port integrated | No | Number of connection levels      | 2 |
| Number of poles, max.                                 | 16 | Number of slots for female plugs | 4 |
| Number of ventilation openings                        | 2  |                                  |   |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 7.0    | EC001031    | ETIM 8.0    | EC001031    |
| ETIM 9.0    | EC001031    | ETIM 10.0   | EC001031    |
| ECLASS 11.0 | 27-18-27-92 | ECLASS 12.0 | 27-18-27-92 |
| ECLASS 13.0 | 27-19-06-02 | ECLASS 14.0 | 27-19-06-02 |
| ECLASS 15.0 | 27-19-06-02 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

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

## Downloads

|                  |                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>                                                                                                                                                                 |
| Catalogues       | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                        |
| Brochures        | <a href="#">FL ANALO.SIGN.CONV. EN</a><br><a href="#">MB DEVICE MANUF. EN</a><br><a href="#">FL MACHINE SAFETY EN</a><br><a href="#">FL 72H SAMPLE SER EN</a><br><a href="#">PO OMNIMATE EN</a> |

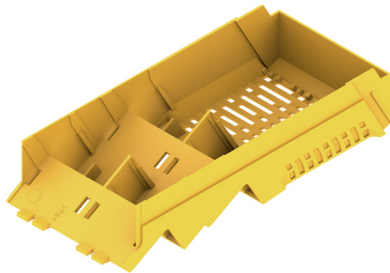
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## Drawings

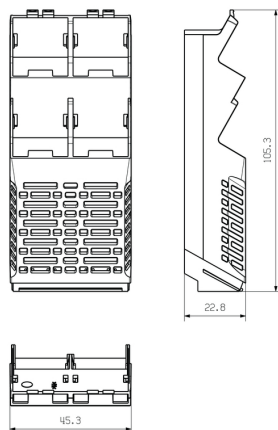
### Product image



### Product image



### Dimensioned drawing



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## Accessories

## CH20M AD SHL 5.00/04 - Side element cover for CH20M22, CH20M45, CH20M67



### Future-proof solutions for industrial electronics for mounting in the control cabinet

Electronic housings are crucial for the integration of electronic assemblies in the control cabinet. They protect sensitive components and ensure reliable connections. Thanks to high-quality materials, they offer long-term solutions for industrial applications.

#### Your advantages:

**Flexibility:** Scalable solutions for different requirements  
**Safety:** Robust design to protect your electronics  
**Efficiency:** Simple installation and optimized connection technology

#### Housing solutions for every application:

Our portfolio includes modular housings (e.g. CH20M), small housings and profile housings designed for control, signal conversion and safety applications. These housings offer customizable designs, easy mounting and high connection capacity.

#### Customization:

In addition to standard solutions, we offer customization in design, color and printing. The Weidmüller Configurator enables individual design.

#### Our service:

We offer expert advice and technical support for your projects. In the download area you will find CAD data, data sheets and installation instructions for efficient integration.

### General ordering data

|            |                             |                                                                  |
|------------|-----------------------------|------------------------------------------------------------------|
| Type       | CH20M AD SHL 5.00/04 AG ... | Version                                                          |
| Order No.  | <a href="#">1472830000</a>  | Hood, OMNIMATE Housing - series CH20M Agate grey, Side element   |
| GTIN (EAN) | 4050118279429               | cover, Width: 22.5 mm                                            |
| Qty.       | 50 pc(s).                   |                                                                  |
| Type       | CH20M AD SHL 5.00/04 LG ... | Version                                                          |
| Order No.  | <a href="#">1432890000</a>  | Hood, OMNIMATE Housing - series CH20M Light Grey, Side element   |
| GTIN (EAN) | 4050118237641               | cover, Width: 22.5 mm                                            |
| Qty.       | 50 pc(s).                   |                                                                  |
| Type       | CH20M AD SHL 5.00/04 GG ... | Version                                                          |
| Order No.  | <a href="#">1413740000</a>  | Hood, OMNIMATE Housing - series CH20M Graphite grey, Side        |
| GTIN (EAN) | 4050118241648               | element cover, Width: 22.5 mm                                    |
| Qty.       | 50 pc(s).                   |                                                                  |
| Type       | CH20M AD SHL 5.00/04 BK ... | Version                                                          |
| Order No.  | <a href="#">1221310000</a>  | Hood, OMNIMATE Housing - series CH20M black, Side element cover, |
| GTIN (EAN) | 4050118004830               | Width: 22.5 mm                                                   |
| Qty.       | 50 pc(s).                   |                                                                  |