

# HC-M-B16-MFH-H - Module carrier frame



1182093

<https://www.phoenixcontact.com/us/products/1182093>

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Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>,  
application: Module carrier frame



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1182093       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF62          |
| Product key                          | AF7ACD        |
| GTIN                                 | 4063151218577 |
| Weight per piece (including packing) | 85.5 g        |
| Weight per piece (excluding packing) | 84 g          |
| Customs tariff number                | 85389099      |
| Country of origin                    | CN            |

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## Technical data

### Notes

|         |                                             |
|---------|---------------------------------------------|
| General | This product replaces 1417405 HC-M-B16-MF-H |
|---------|---------------------------------------------|

### Product properties

|                        |                      |
|------------------------|----------------------|
| Product type           | Module carrier frame |
| Series                 | HC-M-B               |
|                        | HC-M-02              |
|                        | HC-M-03              |
|                        | HC-M-03/04           |
|                        | HC-M-04              |
|                        | HC-M-05              |
|                        | HC-M-06              |
|                        | HC-M-08              |
|                        | HC-M-08-GBIT         |
|                        | HC-M-12              |
|                        | HC-M-17              |
|                        | HC-M-20              |
|                        | HC-M-25              |
|                        | HC-M-DSUB            |
|                        | HC-M-EMV             |
|                        | HC-M-HV              |
|                        | HC-M-HS              |
|                        | HC-M-00              |
| Application            | Module carrier frame |
| Type                   | B16                  |
|                        | B32                  |
| Number of module slots | 4                    |
| Frame type             | Module carrier frame |

### Connection data

#### Conductor connection

|                              |                                                                          |
|------------------------------|--------------------------------------------------------------------------|
| Conductor cross-section      | 4 mm² ... 6 mm² (for PE conductor - power side)                          |
|                              | 1 mm² ... 2.5 mm² (for PE conductor control side)                        |
| Connection cross section AWG | 12 ... 10 (for PE conductor - power side)                                |
|                              | 18 ... 14 (for PE conductor control side)                                |
| Tightening torque            | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |

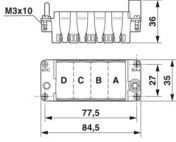
### Dimensions

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|                                                                                    |         |
|------------------------------------------------------------------------------------|---------|
| Dimensional drawing                                                                |         |
|  |         |
| Width                                                                              | 34.9 mm |
| Height                                                                             | 36 mm   |
| Length                                                                             | 84.5 mm |

## Material specifications

|                          |                     |
|--------------------------|---------------------|
| Contact carrier material | Die-cast zinc alloy |
|--------------------------|---------------------|

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

## Mounting

|               |                                                                                                                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly note | HC-MHR-PE16 ( 1636981) for PE connection extension to 16 mm².                                                                                                                                         |
|               | Use wire end protection for PE wires (PE connection screws without wire protection) for housings without lateral connectors, max. thread length of the screw connection 12 mm                         |
|               | When using the module carrier frame in metal housings, the connection of the PE conductor must be ensured via the PE connection provided on the module carrier frame or via a special metal PE module |

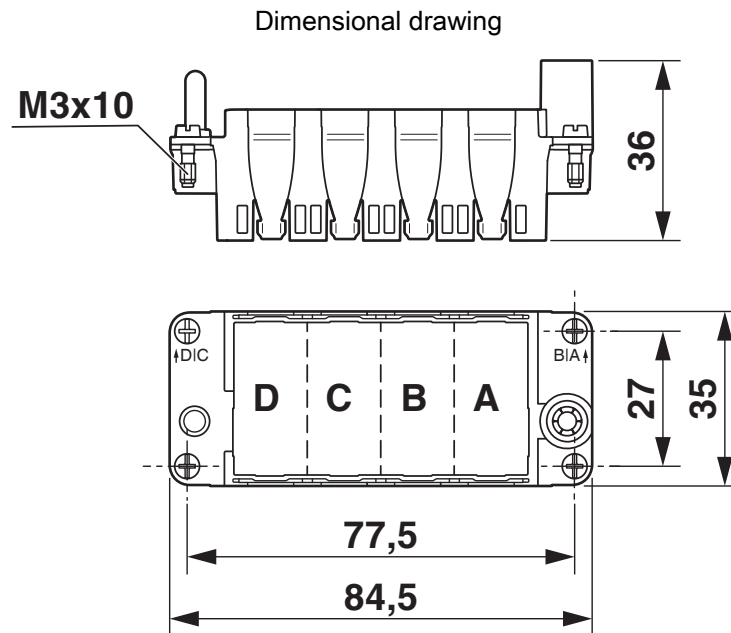
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## Drawings



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1182093>



**CSA**

Approval ID: 158887



**UL Recognized**

Approval ID: E118976



**UL Recognized**

Approval ID: E118976



**UL Recognized**

Approval ID: E468743

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440206 |
| ECLASS-15.0 | 27440206 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002312 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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