

# ME B-22,5 MSTBO RD - Filler plug

2854542

<https://www.phoenixcontact.com/us/products/2854542>

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DIN rail housing, Filler plug for unoccupied terminal points (MSTBO), width: 20 mm, height: 19.05 mm, depth: 12.3 mm, color: red (similar RAL 3001)

## Your advantages

- Easy, tool-free mounting
- Flammability rating V0 in accordance with UL 94

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2854542       |
| Packing unit                         | 200 pc        |
| Minimum order quantity               | 1 pc          |
| Product key                          | ACHAAZ        |
| GTIN                                 | 4017918477141 |
| Weight per piece (including packing) | 1.29 g        |
| Weight per piece (excluding packing) | 0.98 g        |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                              |                  |
|------------------------------|------------------|
| Product type                 | Filler plug      |
| Housing type                 | DIN rail housing |
| Housing series               | ME               |
| Product family               | ME 22,5..        |
| Ventilation openings present | no               |

### Dimensions

|        |          |
|--------|----------|
| Width  | 20 mm    |
| Height | 19.05 mm |
| Depth  | 12.3 mm  |

### Material specifications

|  |                |
|--|----------------|
| Color (Filler plug)                    | red (RAL 3001) |
| Material Filler plug                   | PA             |
| Flammability rating according to UL 94 | V0             |
| CTI according to IEC 60112             | 600            |

### Environmental and real-life conditions

#### Vibration test

|                        |                             |
|------------------------|-----------------------------|
| Specification          | IEC 60068-2-6:2007-12       |
| Frequency              | 10 - 150 - 10 Hz            |
| Sweep speed            | 1 octave/min                |
| Amplitude              | 0.15 mm (10 Hz ... 58.1 Hz) |
| Acceleration           | 2g (58.1 Hz ... 150 Hz)     |
| Test duration per axis | 2.5 h                       |
| Test directions        | X-, Y- and Z-axis           |

#### Glow-wire test

|                  |                        |
|------------------|------------------------|
| Specification    | IEC 60695-2-11:2014-02 |
| Temperature      | 850 °C                 |
| Time of exposure | 30 s                   |

#### Thermal stability / ball thrust test

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature   | 125 °C                 |
| Test duration | 1 h                    |
| Force         | 20 N                   |

#### Mechanical strength / tumbling barrel

|                |                     |
|----------------|---------------------|
| Specification  | IEC 60998-1:2002-12 |
| Height of fall | 50 cm               |

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|           |    |
|-----------|----|
| Frequency | 10 |
|-----------|----|

## Shocks

|                                |                                   |
|--------------------------------|-----------------------------------|
| Specification                  | IEC 60068-2-27:2008-02            |
| Pulse shape                    | Half-sine                         |
| Acceleration                   | 15g                               |
| Shock duration                 | 11 ms                             |
| Number of shocks per direction | 3                                 |
| Test directions                | X-, Y- and Z-axis (pos. and neg.) |

## Degree of protection (IP code)

|               |   |
|---------------|---|
| Specification | IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 |
|---------------|---|

## Ambient conditions

|   |  |
|---|--|
| Max. IP code to attain                  | IP20   |
| Ambient temperature (operation)         | -40 °C ... 105 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                   |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                   |
| Relative humidity (storage/transport)   | 80 %   |

## Mounting

|               |          |
|---------------|----------|
| Mounting type | Latching |
|---------------|----------|

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2854542>



**UL Recognized**

Approval ID: E240868

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190605 |
| ECLASS-15.0 | 27190605 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002779 |
|-----------|----------|

### 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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