

## TBF 49/30/21 TRSP

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

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

### Similar to illustration



The enclosures of the TBF series are made of extremely tough glass fibre-reinforced polyester. These enclosures are ideal for applications that call for low weight coupled with high shock resistance. The weather-resistant TBF enclosures are designed for a wide range of applications. Together with their comprehensive range of accessories, they provide universal solutions for accommodating built-in items such as regulators, measuring instruments, valves and other equipment.

#### Features:

- 9 sizes in 2 versions, with grey and transparent lids
- Cover with nylon screws
- Fixing holes outside the sealed area
- Thread for fitting to terminal rails and mounting plates
- Comprehensive accessories
- Weidmüller can manufacture and supply this enclosure to match customer specifications, fitted with all necessary terminals and cable glands.

### General ordering data

|            |  |
|------------|--|
| Version    | TBF (polyester empty enclosure), Empty enclosure, Height: 488 mm, Width: 302 mm, Depth: 210 mm, Basic material: Glass fibre-reinforced polyester, untreated, Light Grey, Transparent |
| Order No.  | <a href="#">9502840000</a>   |
| Type       | TBF 49/30/21 TRSP  |
| GTIN (EAN) | 4032248027446  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

ROHS Conform

## Dimensions and weights

|            |        |                 |              |
|------------|--------|-----------------|--------------|
| Depth      | 210 mm | Depth (inches)  | 8.2677 inch  |
| Height     | 488 mm | Height (inches) | 19.2126 inch |
| Width      | 302 mm | Width (inches)  | 11.8897 inch |
| Net weight | 3185 g |                 |              |

## Temperatures

Operating temperature -50 °C...130 °C

## Environmental Product Compliance

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

## Cable glands, right

|     |    |     |    |
|-----|----|-----|----|
| M25 | 18 | M63 | 4  |
| M16 | 42 | M40 | 5  |
| M50 | 5  | M32 | 7  |
| M20 | 36 | M12 | 42 |

## Cable glands, top/bottom

|     |    |     |    |
|-----|----|-----|----|
| M20 | 20 | M12 | 44 |
| M63 | 2  | M40 | 3  |
| M32 | 4  | M25 | 10 |
| M50 | 3  | M16 | 24 |

## Certificate numbers enclosure

Declaration of Conformity No. (DoC LVD) DoC DE PS2420 220224 002ISS01

## General information

|                             |  |                             |  |
|-----------------------------|--|-----------------------------|--|
| Toxicity                    | Free from halogens   | Operating temperature, max. | 130 °C                                     |
| Operating temperature, min. | -50 °C   | UL 94 flammability rating   | V-2  |
| Lid attachment              | Crosshead nylon screws   | Installation advice         | Screw mounting                             |
| Standards                   | IEC 60529, EN 60529, EN 62208, EN/IEC 61439-2                        | Surface finish              | untreated                                  |
| Impact resistance           | IK08 in accordance with IEC 62208, IK10 in accordance with IEC 62262 | Protection degree           | IP66                                       |
| Basic material              | Glass fibre-reinforced polyester                                     | Seal material               | Polyurethane                               |
| Torque for lid screws       | 1.5 Nm   | Integral fixing             | 4 or 6 stud bolts M6 inner (female) thread |
| Enclosure attachment        | 6.5 mm hole in enclosure base  | Number of lid screws        | 4  |
| Access opening: width       | 276 mm   | Flange plate                | No   |
| Lid                         | Yes  | Access opening: height      | 462 mm                                     |

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|              |   |
|--------------|---|
| Areas of use | Building systems and technology, Transportation, Packaging industry, Machine construction |
|--------------|---|

### horizontal assembly

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 3x22 | WDU 16 / ZDU 16 | 3x16 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 3x44 | WDU 35 / ZDU 35 | 3x14 |
| WDU 4 / ZDU 4               | 3x37 | WDU 6 / ZDU 6   | 3x28 |

### vertical assembly

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 2x41 | WDU 16 / ZDU 16 | 2x29 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 2x80 | WDU 35 / ZDU 35 | 2x25 |
| WDU 4 / ZDU 4               | 2x67 | WDU 6 / ZDU 6   | 2x51 |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000261    | ETIM 9.0    | EC000261    |
| ETIM 10.0   | EC000261    | ECLASS 14.0 | 27-18-01-01 |
| ECLASS 15.0 | 27-18-01-01 |             |             |

