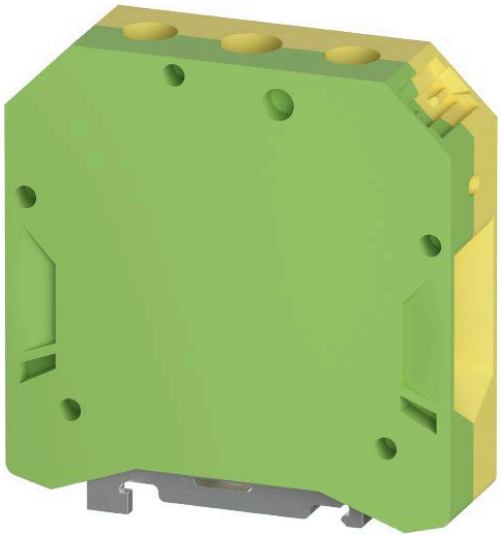
product data sheet

item no. 5D.S50.9055.0

# earth terminal WTN 50 PE

earth terminal WTN 50 PE rated voltage 1000 V, screw connection, number of levels 1, number of clamp positions per level 2, nominal cross section 50 mm², connectable conductor cross section fine stranded without cable end sleeve 16mm² - 50mm², mounting method DIN rail (top hat rail), color green/yellow, width/grid dimension 20 mm, inflammability class of insulation material acc. with ul94 V0



| | |
|---|---|
| item no. | 5D.S50.9055.0 |
| EAN | 4049088725630 |
| order unit | 10 piece(s) |

## certificates / approvals

## technical data

**general**

| | |
|---|---|
| nominal cross section | 50 mm² |
| color | green/yellow |
| number of levels | 1 |
| number of clamp positions per level | 2 |
| width/grid dimension | 20 mm |
| insulating housing | PA |
| inflammability class of insulation material acc. with UL94 | V0 |
| mounting method | DIN rail (top hat rail) |
| terminal blocks for electrical installations | yes |
| connection type | screw connection |
| number of clamp positions per level | 2 |
| mounting method | DIN rail (top hat rail) |
| inflammability class of insulation material acc. with UL94 | V0 |
| terminal blocks for electrical installations | yes |
| halogen free | yes |

**technical data**

| | |
|---|---|
| rated voltage | 1000 V |
| rated impulse voltage | 8 kV |
| pollution degree | 3 |
| closing plate required | no |
| type of insulation material | thermoplastic |
| length | 70.5 mm |
| width | 20 mm |
| height | 76.6 mm |

**connection data**

| | |
|---|---|
| connection type | screw connection |
| connection type 1 | screw connection |
| minimum cross section solid | 16 mm² |
| maximum cross section solid | 50 mm² |
| minimum cross section fine stranded | 16 mm² |
| maximum cross section fine stranded | 50 mm² |
| minumum conductor cross section (flex., stranded) with cable end sleeve | 16 mm² |
| maximum conductor cross section (flex., stranded) with cable end sleeve | 50 mm² |
| wire strip length | 26 mm |
| torque conductor mounting | 7.9 Nm |
| torque rail mounting | 3,3 Nm |

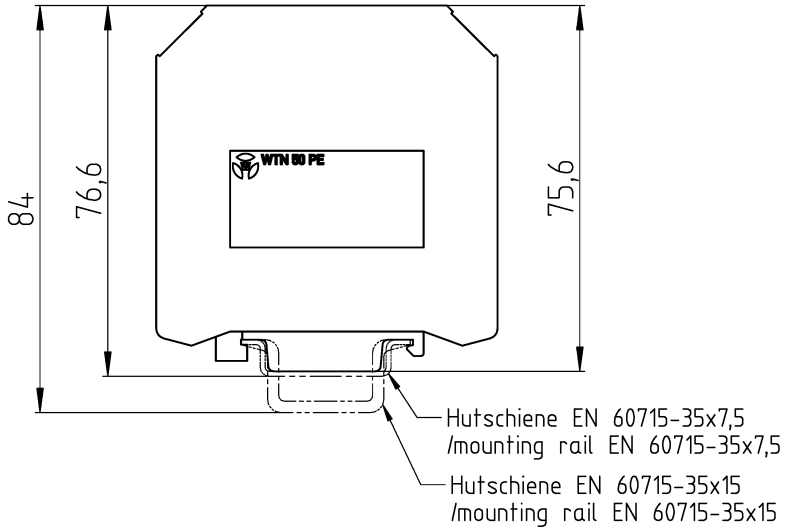
**technical data UL/CSA**

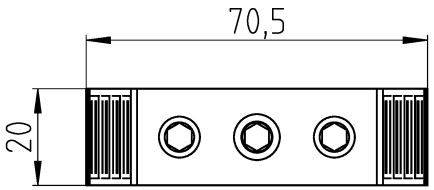
| | |
|---|---|
| cross section UL | 6-2sol AWG,1/0str AWG |
| voltage UL | 600 V |
| cross section CSA | 6-2sol AWG,1/0str AWG |
| voltage CSA | 600 V |

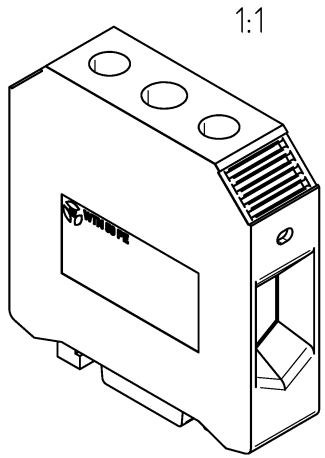
## accessories

| item no. | type | description |
|---|---|---|
| 0D.202.7281.0 | marking strips WML 9.8/60 | marking strips WML 9.8/60 material plastic, color white, length 60 m, height 15.1 mm, inflammability class of insulation material acc. with ul94 V0 |
| 0D.210.7056.0 | marking plate WMP 10-10 | marking plate WMP 10-10 modular spacing 10 mm, material plastic, color white, length 128 mm, height 76 mm, mounting method snap-on, inflammability class of insulation material acc. with ul94 V0 |

technical drawing




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Vertraulichkeitsklasse: Vertraulich
Confidentiality Class: confidential

These dimensions will be especially checked at delivery
Only inspection dimensions
With Ⓔ marked dimensions are only valid for internal use

Diese Maße werden bei Abnahme besonders geprüft
Ausschließlich Prüfmaße
Mit Ⓔ gekennzeichnete Maße sind nur für interne Zwecke gültig

Weitere Daten siehe KATALOG oder eKatalog | www.wieland-electric.com
additional data see CATALOG or eCATALOG | eshop.wieland-electric.com

Tolerierung Size ISO 14405 Ⓔ / Tolerance system Size ISO 14405 Ⓔ.
(This ISO-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

ja/yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten. Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach General tolerance

CAD - Zeichnung, keine manuellen Änderungen
CAD - drawing, no manual modifications allowed

1. Verwendung: First Use:

Blatt: 1 von 1
Sheet: of

Werkstoff / Material

Maßstab / Scale: 1:1

| | Tag/Date | Name |
|---|---|---|
| gezeichnet / drawn | 23.09.2025 | Hollet |

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: 5D.S50.9055.0 13K

Index

Maße in mm / Dimensions are in mm

Vol. mm³ Ofl./Srf. mm²

Ersatz für / Replacement for:

Type

Benennung/Title: SCHUTZLEITERKLEMME
earth terminal

wieland

Index | Datum / Blatt Date / Sheet | Änderung / Revision

| Bestell-Nr. /order no. | Typ /type | Farbe /colour |
|---|---|---|
| 5D.S50.9055.0 | WTN 50 PE | grün-gelb /green-yellow |

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01-QU-RD-32/21