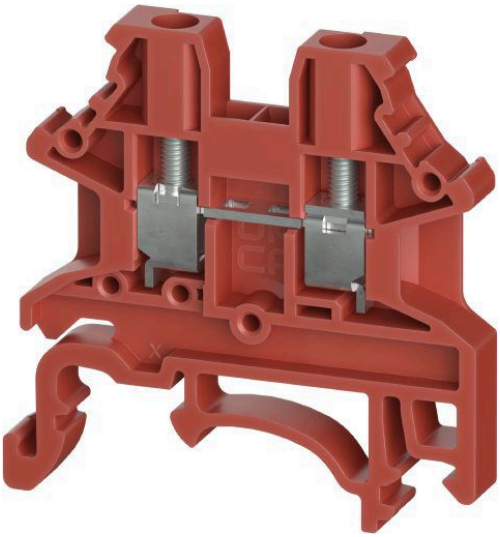
product data sheet

item no. 5D.S03.0055.5

# feed-through terminal WTN 2.5 RT

feed-through terminal WTN 2.5 RT rated voltage 1000 V, rated current 24 A, screw connection, number of levels 1, number of clamp positions per level 2, nominal cross section 2.5 mm², connectable conductor cross section fine stranded without cable end sleeve 0,14mm² - 2,5mm², mounting method DIN rail (top hat rail), color red, width/grid dimension 5.1 mm, inflammability class of insulation material acc. with ul94 V0, terminal blocks for electrical installations yes



| | |
|---|---|
| item no. | 5D.S03.0055.5 |
| EAN | 4049088724329 |
| order unit | 100 piece(s) |

## certificates / approvals

## technical data

**general**

| | |
|---|---|
| nominal cross section | 2.5 mm² |
| color | red |
| number of levels | 1 |
| number of clamp positions per level | 2 |
| width/grid dimension | 5.1 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 current | 24 A |
| rated voltage | 1000 V |
| rated impulse voltage | 8 kV |
| pollution degree | 3 |
| closing plate required | yes |
| type of insulation material | thermoplastic |
| length | 40.7 mm |
| width | 5.1 mm |

| | |
|---|---|
| height | 41.8 mm |

**connection data**

| | |
|---|---|
| connection type | screw connection |
| connection type 1 | screw connection |
| connection type 2 | screw connection |
| minimum cross section solid | 0.14 mm² |
| maximum cross section solid | 4 mm² |
| minimum cross section fine stranded | 0.14 mm² |
| maximum cross section fine stranded | 2.5 mm² |
| minumum conductor cross section (flex., stranded) with cable end sleeve | 0.25 mm² |
| maximum conductor cross section (flex., stranded) with cable end sleeve | 2.5 mm² |
| wire strip length | 10 mm |
| torque conductor mounting | 0.4 Nm |

**technical data UL/CSA**

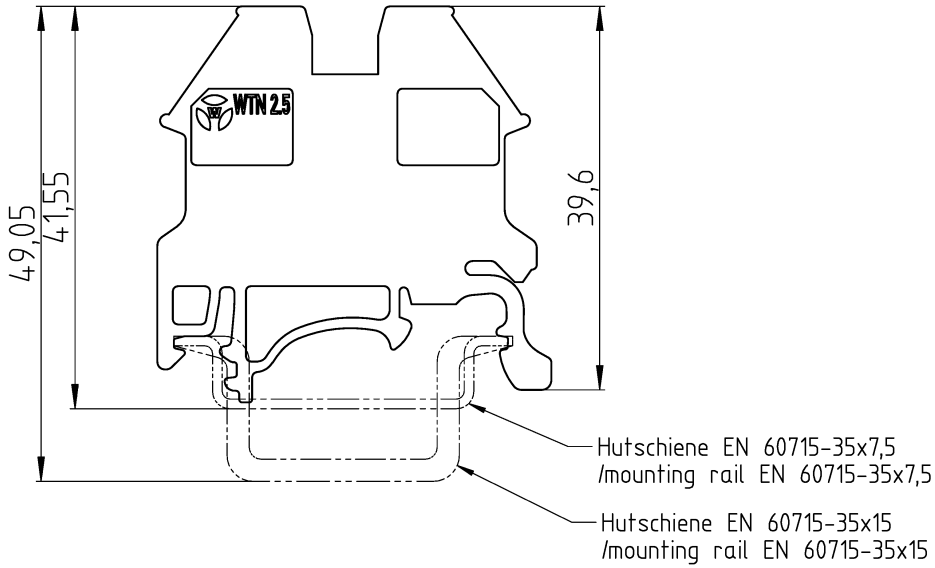
| | |
|---|---|
| cross section UL | 22-12 AWG |
| voltage UL | 600 V |
| current factory wiring | 20 A |
| current field wiring | 20 A |
| cross section CSA | 22-12 AWG |
| voltage CSA | 600 V |
| current CSA | 20 A |

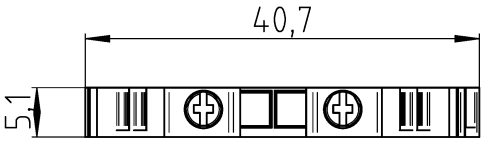
## accessories

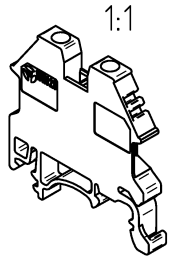
| item no. | type | description |
|---|---|---|
| 0D.S03.3227.5 | jumper bar IVB WTN 2,5-2 | jumper bar IVB WTN 2,5-2 modular spacing 5.1 mm, insulated yes, number of poles 2, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.3327.5 | jumper bar IVB WTN 2,5-3 | jumper bar IVB WTN 2,5-3 modular spacing 5.1 mm, insulated yes, number of poles 3, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.3427.5 | jumper bar IVB WTN 2,5-4 | jumper bar IVB WTN 2,5-4 modular spacing 5.1 mm, insulated yes, number of poles 4, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.3527.5 | jumper bar IVB WTN 2,5-5 | jumper bar IVB WTN 2,5-5 modular spacing 5.1 mm, insulated yes, number of poles 5, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.4027.5 | jumper bar IVB WTN 2,5-10 | jumper bar IVB WTN 2,5-10 modular spacing 5.1 mm, insulated yes, number of poles 10, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.5027.5 | jumper bar IVB WTN 2,5-20 | jumper bar IVB WTN 2,5-20 modular spacing 5.1 mm, insulated yes, number of poles 20, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.5127.5 | jumper bar IVB WTN 2.5R6 | jumper bar IVB WTN 2.5R6 modular spacing 7.8 mm, insulated yes, number of poles 2, color red, height 26.7 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.5227.5 | jumper bar IVB WTN 2.5R10 | jumper bar IVB WTN 2.5R10 modular spacing 8.5 mm, insulated yes, number of poles 2, color red, height 29.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.5327.5 | jumper bar IVB WTN 2.5R16 | jumper bar IVB WTN 2.5R16 modular spacing 9.1 mm, insulated yes, number of poles 2, color red, height 30.5 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S13.3227.5 | jumper bar IVB WTN 2.5P2 | jumper bar IVB WTN 2.5P2 modular spacing 10 mm, insulated yes, number of poles 2, color red, height 20.28 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S13.3327.5 | jumper bar IVB WTN 2.5P3 | jumper bar IVB WTN 2.5P3 modular spacing 10 mm, insulated yes, number of poles 3, color red, height 20.28 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S13.3427.5 | jumper bar IVB WTN 2.5P4 | jumper bar IVB WTN 2.5P4 modular spacing 10 mm, insulated yes, number of poles 4, color red, height 20.28 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S13.3527.5 | jumper bar IVB WTN 2.5P5 | jumper bar IVB WTN 2.5P5 modular spacing 10 mm, insulated yes, number of poles 5, color red, height 20.28 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |

| | | |
|---|---|---|
| 0D.S23.3227.0 | insert bridge IVB WTN 2.5-2 IN | insert bridge IVB WTN 2.5-2 IN modular spacing 5.1 mm, insulated yes, number of poles 2, color grey, height 19 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S23.3327.0 | insert bridge IVB WTN 2.5-3 IN | insert bridge IVB WTN 2.5-3 IN modular spacing 5.1 mm, insulated yes, number of poles 3, color grey, height 19 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S23.3427.0 | insert bridge IVB WTN 2.5-4 IN | insert bridge IVB WTN 2.5-4 IN modular spacing 5.1 mm, insulated yes, number of poles 4, color grey, height 19 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S23.3527.0 | insert bridge IVB WTN 2.5-5 IN | insert bridge IVB WTN 2.5-5 IN modular spacing 5.1 mm, insulated yes, number of poles 5, color grey, height 19 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S23.4027.0 | insert bridge IVB WTN 2.5-10 IN | insert bridge IVB WTN 2.5-10 IN modular spacing 5.1 mm, insulated yes, number of poles 10, color grey, height 19 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.6555.2 | cover ADWTN 2.5 SC | cover ADWTN 2.5 SC length 20 mm, height 5.5 mm, material plastic, color white, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.6555.8 | cover ADWTN 2.5 SC Y | cover ADWTN 2.5 SC Y length 20 mm, height 5.5 mm, material plastic, color yellow, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.5955.5 | test plug PS 2.5 WTN | test plug PS 2.5 WTN number of clamp positions per level 1, mounting method pluggable, color red, width/grid dimension 5.1 mm, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.6955.9 | lever LVWTN 2.5/4 | lever LVWTN 2.5/4 length 13.2 mm, height 22.5 mm, material plastic, color orange, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S04.1055.9 | partition TW 001 WTN | partition inflammability class of insulation material acc. with ul94 V0, type of end plate no, thickness 0.8 mm, length 15.8 mm, color grey |
| 0D.S04.1155.9 | partition TW 005 WTN | partition inflammability class of insulation material acc. with ul94 V0, type of end plate no, thickness 1 mm, length 46 mm, color grey |
| 0D.S04.1255.9 | partition TW 008 WTN | partition inflammability class of insulation material acc. with ul94 V0, type of end plate no, thickness 2 mm, length 52 mm, color grey |
| 0D.S04.2055.0 | end plate APWTN 2.5/4 | end plate inflammability class of insulation material acc. with ul94 V0, type of end plate yes, thickness 1.2 mm, length 39.2 mm, color grey |
| 0D.202.7281.0 | marking strips WML 9.8/60 | marking strips WML 9.8/60 material plastic, color white, length 230 mm, height 15.1 mm, inflammability class of insulation material acc. with ul94 V0 |
| 0D.203.7056.0 | marking plate WMP 5,10-10 | marking plate WMP 5,10-10 modular spacing 5.1 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




| Bestell-Nr. /order no. | Typ /type | Farbe /colour |
|---|---|---|
| 5D.S03.0055.0 | WTN 2.5 | grau / grey |
| 5D.S03.0055.1 | WTN 2,5 SW | schwarz / black |
| 5D.S03.0055.2 | WTN 2,5 WS | weiß / white |
| 5D.S03.0055.4 | WTN 2,5 WS | braun / brown |
| 5D.S03.0055.5 | WTN 2.5 RT | rot / red |
| 5D.S03.0055.6 | WTN 2.5 BL | blau / blue |
| 5D.S03.0055.7 | WTN 2,5 GN | grün / green |
| 5D.S03.0055.8 | WTN 2,5 GE | gelb / yellow |
| 5D.S03.0055.9 | WTN 2,5 OR | orange |

ⓐ

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additional data see CATALOG or eCATALOG
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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: 1 of 1

Werkstoff / Material

Maßstab / Scale 2:1

Vol. mm³ Ofl./Srf. mm²

| | Tag/Date | Name |
|---|---|---|
| gezeichnet drawn | 28.08.2025 | Eichhorn N. |

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 5D.S03.0055.0 13K

Index: a

Maße in mm / Dimensions are in mm

Ersatz für / Replacement for:

| Index | Datum / Blatt Date / Sheet |
|---|---|
| a | 23.02.2026 / |

Änderung / Revision

wieland

Type

Benennung/Title

DURCHGANGSKLEMME
feed-through terminal

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Vertraulichkeitsklasse: Vertraulich
Confidentiality class: confidential

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

Diese Maße werden bei Abnahme besonders geprüft
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