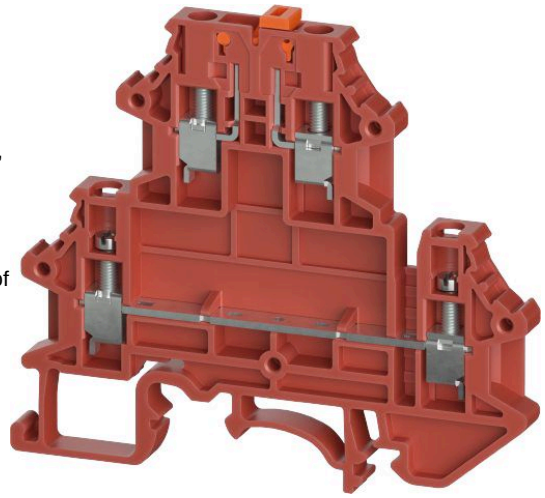
product data sheet

item no. 5D.S03.2255.5

## knife disconnect terminal WTN 2.5 E TKM RT

knife disconnect terminal WTN 2.5 E TKM RT rated voltage 400 V, rated current 21 A, screw connection, number of levels 2, number of clamp positions per level 2, nominal cross section 2.5 mm², connectable conductor cross section fine stranded without cable end sleeve 0,34mm² - 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



| | |
|---|---|
| item no. | 5D.S03.2255.5 |
| EAN | 4049088724411 |
| order unit | 50 piece(s) |

## certificates / approvals

## technical data

**general**

| | |
|---|---|
| nominal cross section | 2.5 mm² |
| color | red |
| number of levels | 2 |
| 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) |
| Anschlussart | screw connection |
| Anzahl der Klemmstellen je Etage | 2 |
| Montageart | DIN rail (top hat rail) |
| Brennbarkeitsklasse des Isolierstoffs | V0 |

**technical data**

| | |
|---|---|
| rated current | 21 A |
| rated voltage | 400 V |
| rated impulse voltage | 6 kV |
| pollution degree | 3 |
| closing plate required | yes |
| type of insulation material | thermoplastic |
| length | 71.5 mm |
| width | 5.1 mm |
| height | 63 mm |

**connection data**

| | |
|---|---|
| connection type | screw connection |
| connection type 1 | screw connection |

| | |
|---|---|
| connection type 2 | screw connection |
| minimum cross section solid | 0.34 mm² |
| maximum cross section solid | 2.5 mm² |
| minimum cross section fine stranded | 0.34 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 | 300 V |
| current factory wiring | 20 A |
| current field wiring | 20 A |
| cross section CSA | 22-12 AWG |
| voltage CSA | 300 V |
| current CSA | 20 A |

## accessories

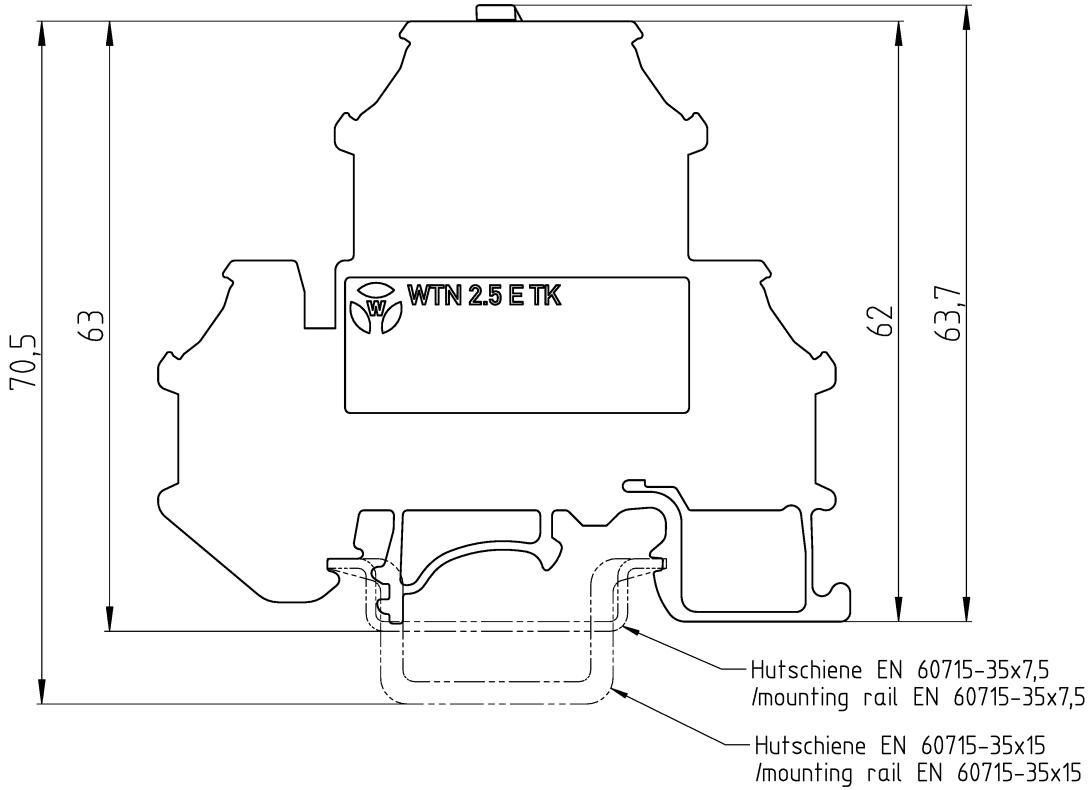
| item no. | type | description |
|---|---|---|
| 0D.S03.3227.5 | jumper bar IVB WTN 2,5-2 | jumper bar IVB WTN 2,5-2 modular spacing 5.1 mm, insulated yes, number of poles 2, color red, height 20.3 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0 |
| 0D.S03.3327.5 | 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.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.S03.2355.0 | end plate APWTN 2.5/4 E | end plate inflammability class of insulation material acc. with ul94 V0, type of end plate yes, thickness 1.2 mm, length 70 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, inflammability class of insulation material acc. with ul94 V0 |

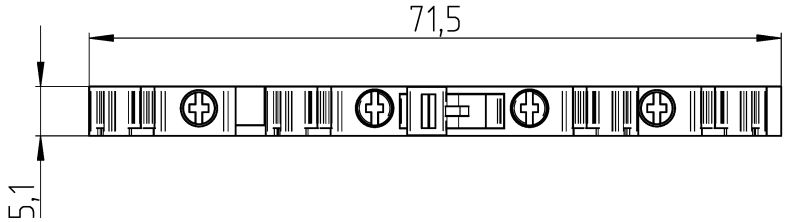
technical drawing

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Vertraulichkeitsklasse: Vertraulich
Confidentiality Class: Confidential

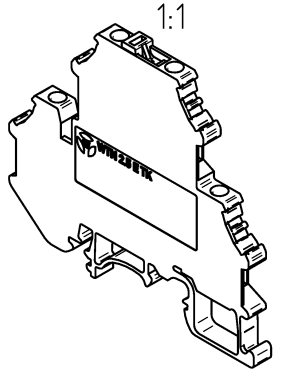
These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

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




1:1




| Bestell-Nr. /order no. | Typ /type | Farbe /colour | VPE: packaging unit: |
|---|---|---|---|
| 5D.S03.2255.0 | WTN 2.5 E TKM | grau / grey | 50 |
| 5D.S03.2255.5 | WTN 2.5 E TKM RT | rot / red | |
| 5D.S03.2255.6 | WTN 2.5 E TKM BL | blau / blue | |

Weitere Daten siehe KATALOG oder eKatalog
additional data see CATALOG or eCATALOG
www.wieland-electric.com
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: 1 of 1

Werkstoff / Material

Maßstab / Scale: 2:1

Vol. mm³ Ofl./Srf. mm²

| | Tag/Date | Name |
|---|---|---|
| gezeichnet / drawn | 16.09.2025 | Sachs (extern) |

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 5D.S03.2255.0 13K

Index

Maße in mm / Dimensions are in mm

Ersatz für / Replacement for:

Type

Benennung/Title

# MESSERTRENNKLEMME

knife disconnect terminal

wieland

Index / Datum / Blatt
Date / Sheet

Änderung / Revision

2025-09-16 14:20:57 1.000

01-QU-RD-32/21