product data sheet

item no. 5D.S03.2055.5

knife disconnect terminal WTN 2.5 TKM RT

knife disconnect terminal WTN 2.5 TKM RT rated voltage 400 V, rated current 24 A, screw connection, number of levels 1, number of clamp positions per level 3, 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.S03.2055.5
EAN	4049088724350
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	3
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	3
Montageart	DIN rail (top hat rail)
Brennbarkeitsklasse des Isolierstoffs	V0

technical data

rated current	24 A
rated voltage	400 V
rated impulse voltage	6 kV
pollution degree	3
closing plate required	yes
type of insulation material	thermoplastic
length	40.7 mm
width	5.1 mm
height	43.4 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

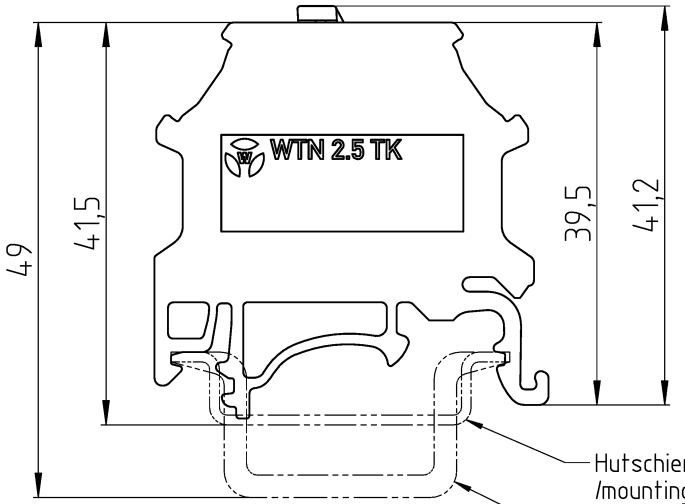
technical data UL/CSA

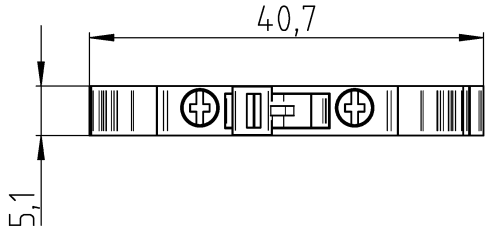
cross section UL	22-12 AWG
voltage UL	300 V
current factory wiring	20 A
current field wiring	20 A
cross section CSA	26-12 AWG
voltage CSA	300 V
current CSA	20 A

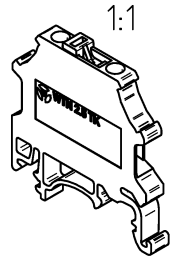
accessories

item no.	type	description
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.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, 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

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

Bestell-Nr. /order no.	Typ /type	Farbe /colour	VPE: packaging unit:
5D.S03.2055.0	WTN 2.5 TKM	grau / grey	100
5D.S03.2055.5	WTN 2.5 TKM RT	rot / red	
5D.S03.2055.6	WTN 2.5 TKM BL	blau / blue	

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

Maßstab / Scale: 2:1

Werkstoff / Material

	Tag/Date	Name
gezeichnet drawn	16.09.2025	Sachs (extern)

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 5D.S03.2055.0 13K

Index

Maße in mm / Dimensions are in mm

Vol. mm³ Ofl./Srf. mm²

Ersatz für / Replacement for:

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

wieland

Type

Benennung/Title

MESSERTRENNKLEMME

knife disconnect terminal

2025-11-17 14:35:01 1.000

01-QU-RD-32/21