product data sheet

item no. 5D.S50.0055.5

feed-through terminal WTN 50 RT

feed-through terminal WTN 50 RT rated voltage 1000 V, rated current 150 A, 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 red, width/grid dimension 20 mm, inflammability class of insulation material acc. with ul94 V0



item no.	5D.S50.0055.5
EAN	4049088725586
order unit	20 piece(s)

certificates / approvals

technical data

general

nominal cross section	50 mm²
color	red
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)
Anschlussart	screw connection
Anzahl der Klemmstellen je Etage	2
Montageart	DIN rail (top hat rail)
Brennbarkeitsklasse des Isolierstoffs	V0

technical data

rated current	150 A
rated voltage	1000 V
rated impulse voltage	8 kV
closing plate required	no
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	5.6 Nm

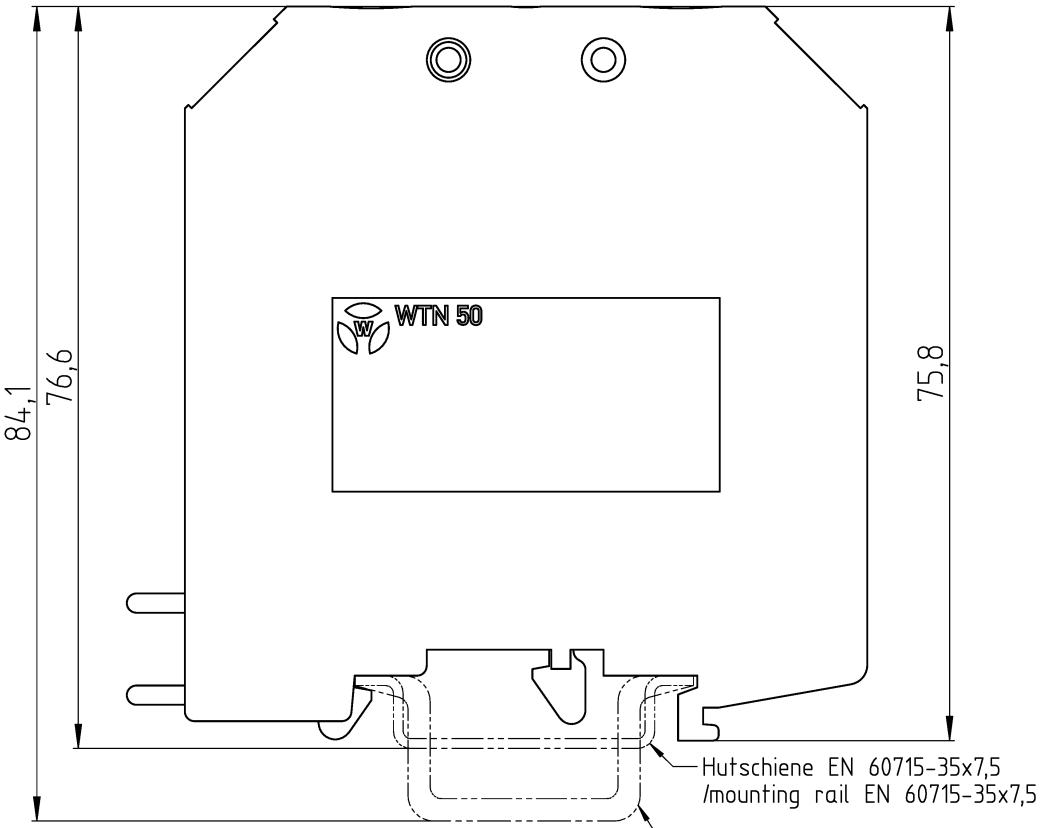
technical data UL/CSA

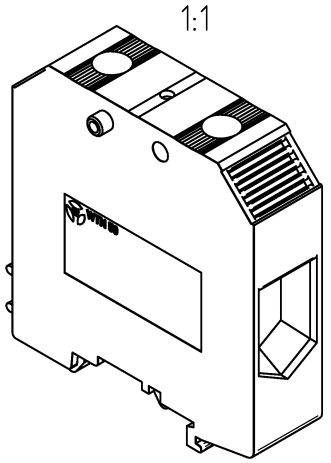
cross section UL	6-2sol AWG,1/0str AWG
voltage UL	600 V
current factory wiring	150 A
current field wiring	150 A
cross section CSA	6-2sol AWG,1/0str AWG
voltage CSA	600 V
current CSA	150 A

accessories

item no.	type	description
0D.S50.3227.0	insert bridge IVB WTN 50-2 IN	insert bridge IVB WTN 50-2 IN modular spacing 20 mm, insulated yes, number of poles 2, color grey, height 28.5 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
0D.S50.3327.0	insert bridge IVB WTN 50-3 IN	insert bridge IVB WTN 50-3 IN modular spacing 20 mm, insulated yes, number of poles 3, color grey, height 28.5 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
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.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, 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

Bestell-Nr. /order no.	Typ /type	Farbe /colour
5D.S50.0055.0	WTN 50	grau / grey
5D.S50.0055.5	WTN 50 RT	rot / red
5D.S50.0055.6	WTN 50 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	03.09.2025	Eichhorn N.

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 5D.S50.0055.0 13K

Index

Maße in mm / Dimensions are in mm

Ersatz für / Replacement for:

Type

Benennung/Title

DURCHGANGSKLEMME

feed-through terminal

wieland

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

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01-QU-RD-32/21