

Data sheet

Commercial Art.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



Commercial Art.No.	5D.S50.0055.5
EAN	4049088725586
Order Unit	20

certificates / approvals



LR

Technical data

general

nominal cross section	50 mm ²
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	40.7 mm
width	20 mm
height	55.9 mm

connection data

connection type	screw connection
connection type 1	screw connection
minimum cross section solid	16 mm ²
maximum cross section solid	50 mm ²
minimum cross section fine stranded	16 mm ²
maximum cross section fine stranded	50 mm ²
minimum conductor cross section (flex., stranded) with cable end sleeve	16 mm ²
maximum conductor cross section (flex., stranded) with cable end sleeve	50 mm ²
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

classification

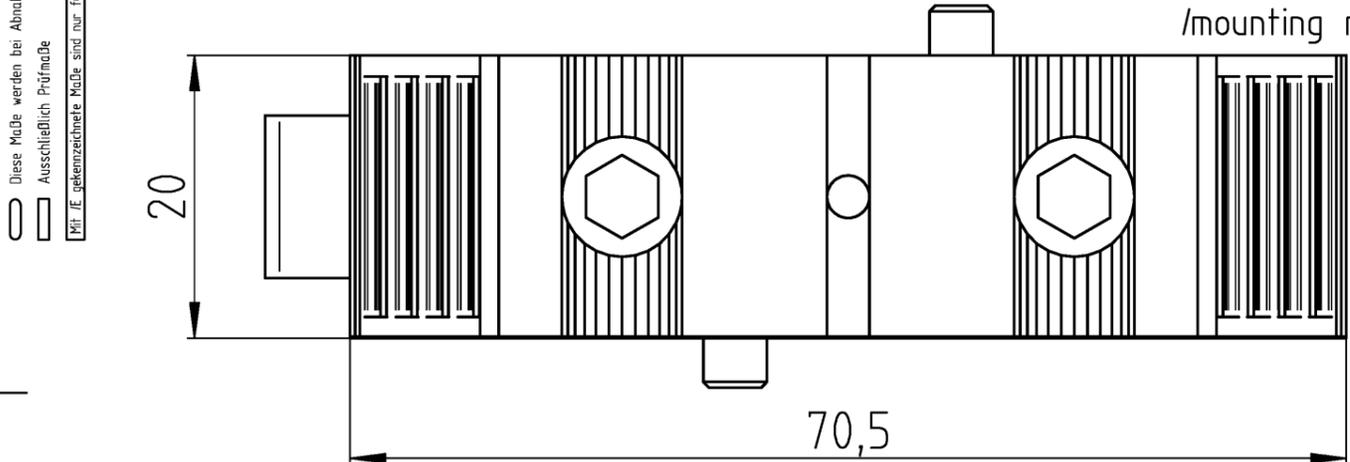
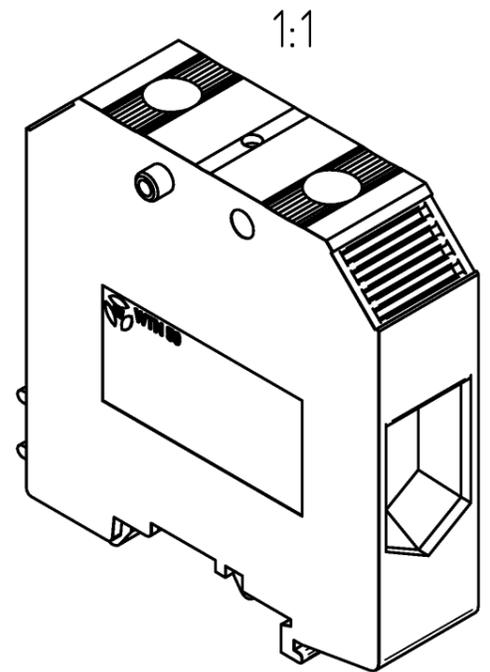
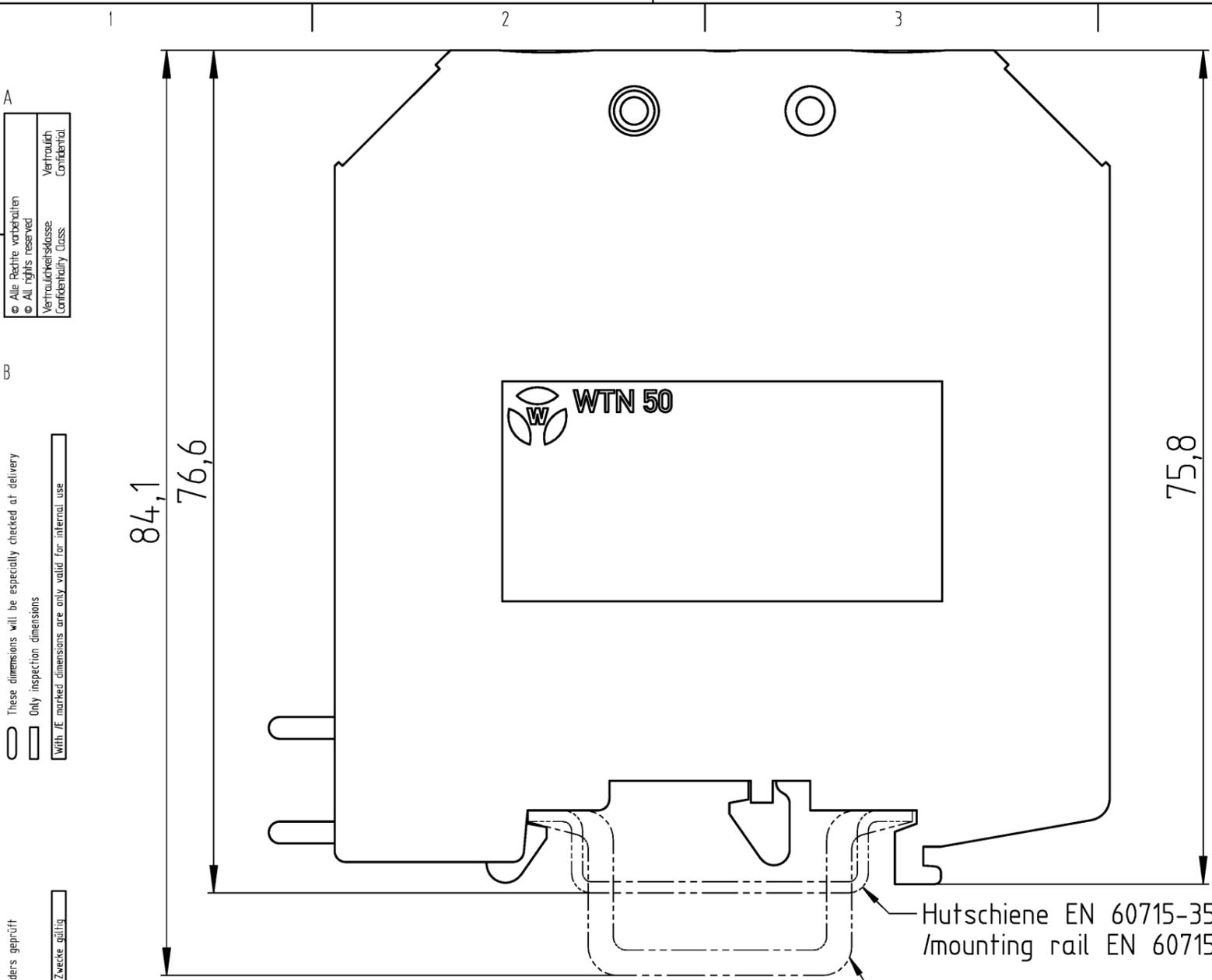
ETIM 9.0	EC000897
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product compliance

REACH-SVHC conformity status	compliant
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Accessories

Commercial Art.No.:	Article-type description:	Description:
OD.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
OD.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
OD.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
OD.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



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 <input checked="" type="checkbox"/> 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		Tag/Date	Name
Maßstab / Scale		gezeichnet drawn	03.09.2025 Eichhorn N.
2:1		Elektronische Freigabe Electronic Release	
Vol. mm ³ / fl./Srf. mm ²		Ersatz für / Replacement for:	
Index		Datum / Blatt Date / Sheet	
Änderung / Revision		Benennung/Title	
		DURCHGANGSKLEMME feed-through terminal	

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

A
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 Vertraulichkeitsklasse
 Confidentiality Class: Vertraulich
 Confidential

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

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

F