product data sheet

item no. 5D.S50.1755.0

high current terminal WRTN 50 M8

high current terminal WRTN 50 M8 rated voltage 1000 V, rated current 150 A, bolt connection, number of levels 1, number of clamp positions per level 3, nominal cross section 50 mm², connectable conductor cross section fine stranded without cable end sleeve 2,5mm² - 50mm², mounting method DIN rail (top hat rail), color grey, width/grid dimension 21 mm, inflammability class of insulation material acc. with ul94 V0



item no.	5D.S50.1755.0
EAN	4049088725623
order unit	20 piece(s)

certificates / approvals

technical data

general

nominal cross section	50 mm²
color	grey
number of levels	1
number of clamp positions per level	3
width/grid dimension	21 mm
insulating housing	PA
inflammability class of insulation material acc. with UL94	V0
mounting method	DIN rail (top hat rail)
connection type	bolt connection
number of clamp positions per level	3
mounting method	DIN rail (top hat rail)
inflammability class of insulation material acc. with UL94	V0
halogen free	yes

technical data

rated current	150 A
rated voltage	1000 V
rated impulse voltage	8 kV
closing plate required	no
type of insulation material	thermoplastic
length	67 mm
width	21 mm
height	64 mm

connection data

connection type	bolt connection

connection type 1	screw connection
minimum cross section solid	2.5 mm²
maximum cross section solid	50 mm²
minimum cross section fine stranded	2.5 mm²
maximum cross section fine stranded	50 mm²
torque conductor mounting	10 Nm

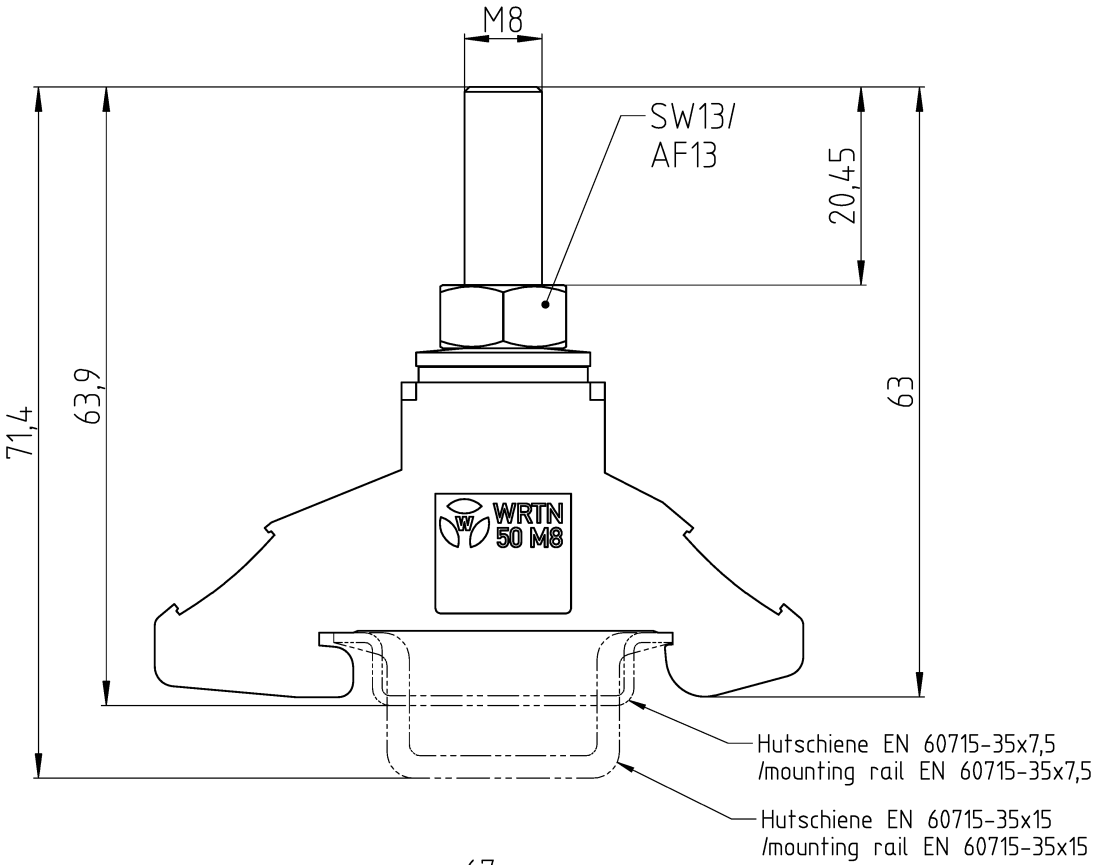
technical data UL/CSA

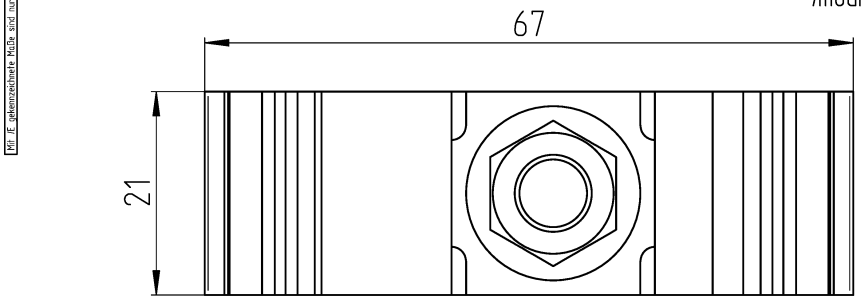
cross section UL	14-1/0 AWG
voltage UL	1000 V
current factory wiring	150 A
current field wiring	150 A
cross section CSA	14-1/0 AWG
voltage CSA	1000 V
current CSA	150 A

accessories

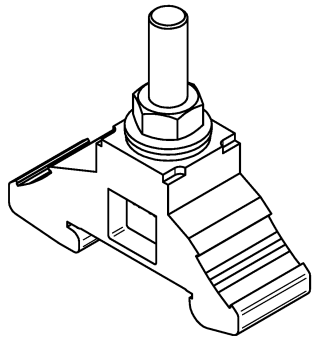
item no.	type	description
0D.S50.6155.0	cover ADWRTN 50 M8	cover ADWRTN 50 M8 length 70 mm, height 21 mm, material plastic, color grey, inflammability class of insulation material acc. with ul94 V0
0D.S50.1155.0	partition TW 002 WRTN	partition inflammability class of insulation material acc. with ul94 V0, type of end plate no, thickness 2 mm, length 151.5 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.206.7056.0	marking plate WMP 8-10	marking plate WMP 8-10 modular spacing 8 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





1:1



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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.S50.1755.0	WRTN 50 M8	grau / grey

Weitere Daten siehe KATALOG oder eKatalog | www.wieland-electric.com
additional data see CATALOG or eCATALOG | 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	13.11.2025	Eichhorn N.

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: 5D.S50.1755.0 13K

Index: a

Maße in mm / Dimensions are in mm

Ersatz für / Replacement for:

Index	Datum / Blatt Date / Sheet	Änderung / Revision
a	29.04.2026 /	

wieland

Type

Benennung/Title

HOCHSTROMKLEMME
high current terminal