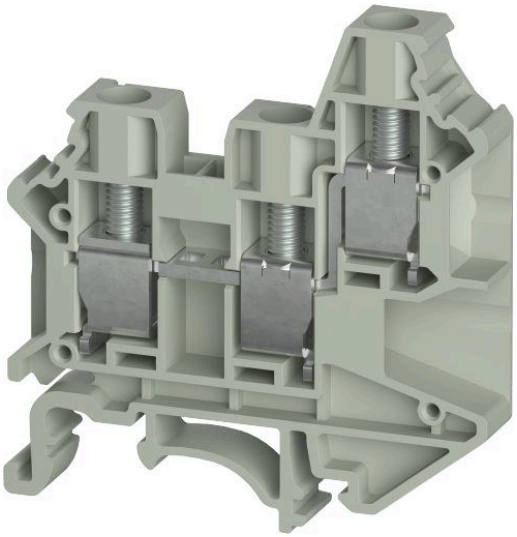
product data sheet

item no. 5D.S06.5055.0

feed-through terminal WTN 6 D1/2

feed-through terminal WTN 6 D1/2 rated voltage 1000 V, rated current 41 A, screw connection, number of levels 1, number of clamp positions per level 4, nominal cross section 6 mm², connectable conductor cross section fine stranded without cable end sleeve 0,5mm² - 6mm², mounting method DIN rail (top hat rail), color grey, width/grid dimension 8 mm, inflammability class of insulation material acc. with ul94 V0, terminal blocks for electrical installations yes



item no.	5D.S06.5055.0
EAN	4049088725319
order unit	100 piece(s)

certificates / approvals

technical data

general

nominal cross section	6 mm²
color	grey
number of levels	1
number of clamp positions per level	4
width/grid dimension	8 mm
insulating housing	PA
inflammability class of insulation material acc. with UL94	V0
mounting method	DIN rail (top hat rail)
terminal blocks for electrical installations	yes
Anschlussart	screw connection
Anzahl der Klemmstellen je Etage	4
Montageart	DIN rail (top hat rail)
Brennbarkeitsklasse des Isolierstoffs	V0
Reihenklemmen für Installationsverteiler	yes

technical data

rated current	41 A
rated voltage	1000 V
rated impulse voltage	8 kV
pollution degree	3
closing plate required	yes
type of insulation material	thermoplastic
length	55.2 mm
width	8 mm
height	59.1 mm

connection data

connection type	screw connection
connection type 1	screw connection
connection type 2	screw connection
minimum cross section solid	0.5 mm²
maximum cross section solid	10 mm²
minimum cross section fine stranded	0.5 mm²
maximum cross section fine stranded	6 mm²
minumum conductor cross section (flex., stranded) with cable end sleeve	0.5 mm²
maximum conductor cross section (flex., stranded) with cable end sleeve	6 mm²
wire strip length	12 mm
torque conductor mounting	1.2 Nm

technical data UL/CSA

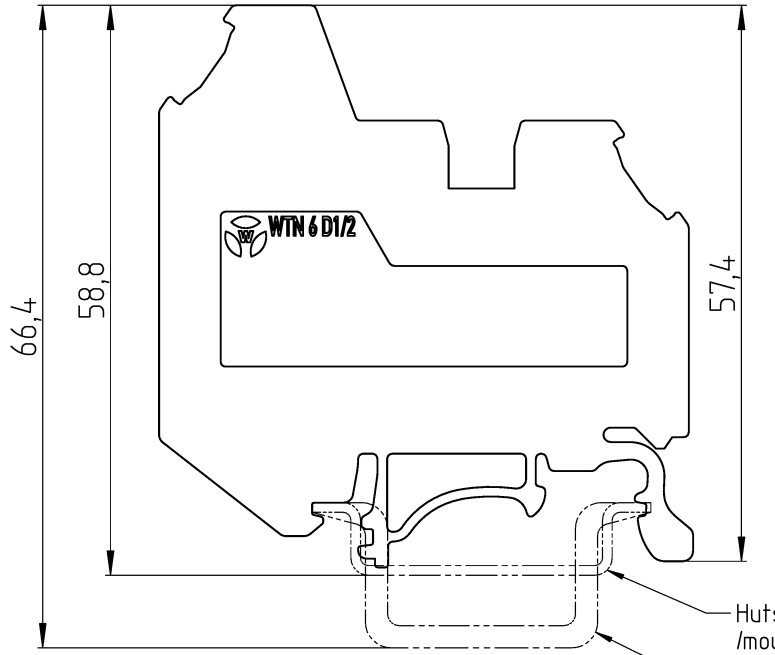
cross section UL	20-8 AWG
voltage UL	600 V
current factory wiring	50 A
current field wiring	50 A
cross section CSA	20-8 AWG
voltage CSA	600 V
current CSA	50 A

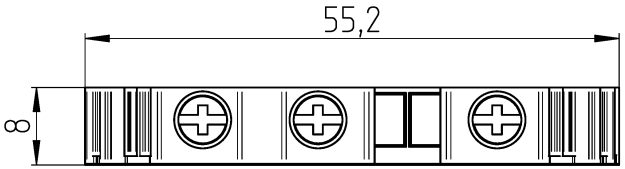
accessories

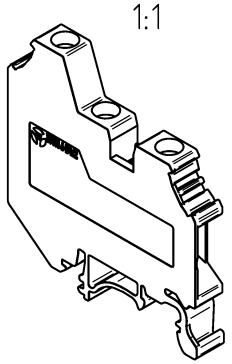
item no.	type	description
0D.S03.5127.5	jumper bar IVB WTN 2.5R6	jumper bar IVB WTN 2.5R6 modular spacing 7.8 mm, insulated yes, number of poles 2, color red, height 26.7 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S04.5127.5	jumper bar IVB WTN 4R6	jumper bar IVB WTN 4R6 modular spacing 8.3 mm, insulated yes, number of poles 2, color red, height 26 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S06.3227.5	jumper bar IVB WTN 6-2	jumper bar IVB WTN 6-2 modular spacing 8 mm, insulated yes, number of poles 2, color red, height 24.9 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S06.3327.5	jumper bar IVB WTN 6-3	jumper bar IVB WTN 6-3 modular spacing 8 mm, insulated yes, number of poles 3, color red, height 24.9 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S06.3427.5	jumper bar IVB WTN 6-4	jumper bar IVB WTN 6-4 modular spacing 8 mm, insulated yes, number of poles 4, color red, height 24.9 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S06.3527.5	jumper bar IVB WTN 6-5	jumper bar IVB WTN 6-5 modular spacing 8 mm, insulated yes, number of poles 5, color red, height 24.9 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S06.4027.5	jumper bar IVB WTN 6-10	jumper bar IVB WTN 6-10 modular spacing 8 mm, insulated yes, number of poles 10, color red, height 24.9 mm, mounting method pluggable, inflammability class of insulation material acc. with ul94 V0
0D.S07.3227.0	insert bridge IVB WTN 6-2 IN	insert bridge IVB WTN 6-2 IN modular spacing 8 mm, insulated yes, number of poles 2, color grey, height 24.2 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
0D.S07.3327.0	insert bridge IVB WTN 6-3 IN	insert bridge IVB WTN 6-3 IN modular spacing 8 mm, insulated yes, number of poles 3, color grey, height 24.2 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
0D.S07.3427.0	insert bridge IVB WTN 6-4 IN	insert bridge IVB WTN 6-4 IN modular spacing 8 mm, insulated yes, number of poles 4, color grey, height 24.2 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
0D.S07.3527.0	insert bridge IVB WTN 6-5 IN	insert bridge IVB WTN 6-5 IN modular spacing 8 mm, insulated yes, number of poles 5, color grey, height 24.2 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
0D.S07.4027.0	insert bridge IVB WTN 6-10 IN	insert bridge IVB WTN 6-10 IN modular spacing 8 mm, insulated yes, number of poles 10, color grey, height 24.2 mm, mounting method screwable, inflammability class of insulation material acc. with ul94 V0
0D.S06.1055.9	partition TW 002 WTN	partition inflammability class of insulation material acc. with ul94 V0, type of end plate no, thickness 0.8 mm, length 23.1 mm, color grey
0D.S06.2155.0	end plate APWTN 6 D1/2	end plate inflammability class of insulation material acc. with ul94 V0, type of end plate yes, thickness 1.2 mm, length 54.7 mm, color grey
0D.S06.2855.0	end plate APWTN 6 D1/2 B	end plate inflammability class of insulation material acc. with ul94 V0, type of end plate yes, thickness 0.8 mm, length 54.7 mm, color grey

0D.202.7381.0	marking strips WML 7.4/60	marking strips WML 7.4/60 material plastic, color white, length 230 mm, height 11.4 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, 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.S06.5055.0	WTN 6 D1/2	grau / grey
5D.S06.5055.5	WTN 6 D1/2 RT	rot / red
5D.S06.5055.6	WTN 6 D1/2 BL	blau / blue

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: Sheet: 1 von of 1

Werkstoff / Material

Maßstab / Scale: 2:1

Vol. mm³ Ofl./Srf. mm²

	Tag/Date	Name
gezeichnet drawn	28.08.2025	Eichhorn N.

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 5D.S06.5055.0 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

2025-11-26 13:59:12 1.000

01-QU-RD-32/21