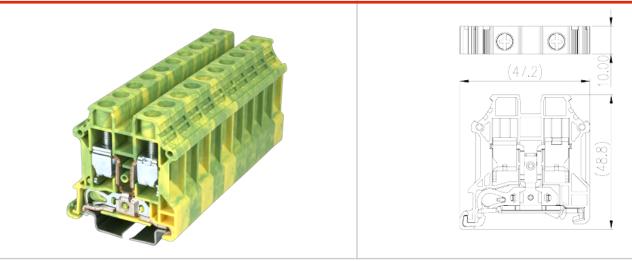


DK10N-PE DIN Rail Terminal Blocks > Screw Connection

Date:2025-09-17Version:1.2



The web catalog is for reference only. Dinkle remains the right of product modification and engineering change of the design. The final product is made according to engineering drawing.

Product Description

M4, Green-Yellow (default)

General information

Short description	Grounding Terminal Block, Screw Connection
Category	Grounding terminal blocks
Color	Green-Yellow (default)
Connection method	Screw connection
Type of locking	Rail mounting
Length (mm)	47.2
Width (mm)	10
Height (mm)	48.8
Number of positions	D1P
Level	Single level
Connection points	2

Material information

Insulation material	PA
Insulation material group	I
Flame retardant rating , compliant with UL94	VO



Insulation resistance

 $\Box 500 M\Omega$ at DC 500V

Connection data-IEC

Rated voltage (III/3)(V)1000Rated impulse voltage (III/3)(V)8Conductor cross section solid. min (mm²)0.5Conductor cross section standed. min (mm²)0.5Conductor cross section standed. min (mm²)0.5Conductor cross section standed. max (mm²)10Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor suft same cross section, solid, min (mm²)0.52 conductors with same cross section, solid, max (mm²)0.52 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin<	Rated voltage (V)	1000
Conductor cross section solid. min (mm²)0.5Conductor cross section solid. max (mm²)16Conductor cross section stranded. min (mm²)0.5Conductor cross section stranded. max (mm²)10Conductor cross section flexible, with min ferrule0.5Conductor cross section flexible, with max ferrule10Conductor cross section flexible, with max ferrule10Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.52 conductors with same cross section, solid, max (mm²)0.52 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrule without plastic sleeve (mm²)0.52 conductors wi	Rated voltage (III/3)(V)	1000
Conductor cross section solid max (mm²)16Conductor cross section stranded. min (mm²)0.5Conductor cross section stranded. max (mm²)10Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)10Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor sies section, solid, max (mm²)0.5Conductors with same cross section, solid, max (mm²)0.52 conductors with same cross section, stranded, max (mm²)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexib	Rated impulse voltage (III/3)(KV)	8
Conductor cross section stranded. min (mm²)0.5Conductor cross section stranded. max (mm²)10Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)10Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)10Conductor section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductors with same cross section, solid, max (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, max (mm²)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)	Conductor cross section solid. min (mm ²)	0.5
Conductor cross section stranded. max (mm²)10Conductor cross section flexible, with min ferrule without plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule without plastic sleeve (mm²)10Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)0.5Conductors with same cross section, solid, min (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cr	Conductor cross section solid.max (mm ²)	16
Conductor cross section flexible, with min ferrule0.5Conductor cross section flexible, with max ferrule10Conductor cross section flexible, with min ferrule with0.5Datitic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with10plastic sleeve (mm²)0.52 conductors with same cross section, solid, min (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min0.52 conductors with same cross section, stranded, max62 conductors with same cross section flexible, with min0.52 conductors with same cross section flexible, with max62 conductors with same cross section flexible, min twin0.52 conductors with same cross section flexible, max twin62 conductors with same cross section flexible, max twin0.52 conductors wit	Conductor cross section stranded. min (mm ²)	0.5
without plastic sleeve (mm²)10Conductor cross section flexible, with max ferrule10Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)102 conductors with same cross section, solid, min (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section flexible, with min (mm²)0.52 conductors with same cross section flexible, with min (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors w	Conductor cross section stranded. max (mm ²)	10
without plastic sleeve (mm²)Conductor cross section flexible, with min ferrule with plastic sleeve (mm²)0.5Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)102 conductors with same cross section, solid, min (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, max62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrule with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors size (Blade thickness x Width)(mm)1.0x5.5Philips screwdriver size Rated torque (N.m)2.5Stripping Length (mm)1.2~14Mounting railTS-35 \TS-35/15	Conductor cross section flexible, with min ferrule without plastic sleeve (mm ²)	0.5
plastic sleeve (mm²)10Conductor cross section flexible, with max ferrule with plastic sleeve (mm²)102 conductors with same cross section, solid, min (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, max (mm²)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)2.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)2.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)2.52 conductors with same cross section flexib	Conductor cross section flexible, with max ferrule without plastic sleeve (mm ²)	10
plastic sleeve (mm²)0.52 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, max (mm²)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)10.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)10.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)10.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)10.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)22 conductors w	Conductor cross section flexible, with min ferrule with plastic sleeve (mm ²)	0.5
2 conductors with same cross section, solid, max (mm²)102 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, max (mm²)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, with max ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)1.0x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)1.0x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)2.52 conductors with same cross sectio		10
2 conductors with same cross section, stranded, min (mm²)0.52 conductors with same cross section, stranded, max (mm²)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)1.0x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)1.0x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)1.0x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)2.53 Strew threadPH2Rated torque (N.m)1.2~143 Conductors with same for plant fieldTS-35 \ TS-35/15	2 conductors with same cross section, solid, min (mm ²)	0.5
Imm2)Imm22 conductors with same cross section, stranded, max (mm2)62 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm2)0.52 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm2)62 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm2)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)10x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)110x5.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)12.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)2.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm2)2.52 conductors with same cross section flexible, max twin source2.52 conductors with same cross section flexible, max twin12~143 conductors with same cross section flexible, max twin3.52 conductors with same cross section flexible, max twin3.52 conductors with same cross section flexible, max twin3.53 conductors with same cross section flexible, max twin3.53 conductors w	2 conductors with same cross section, solid, max (mm ²)	10
(mm²)0.52 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, with max ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)10x5.5Strew threadM410x5.5Philips screwdriver sizePH2Rated torque (N.m)12~14Mounting railTS-35 \ TS-35/15		0.5
ferrule without plastic sleeve (mm²)62 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)63 Screw threadM4Slotted screwdriver size (Blade thickness x Width)(mm)1.0x5.5Philips screwdriver sizePH2Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	2 conductors with same cross section, stranded, max (mm ²)	6
ferrule without plastic sleeve (mm²)0.52 conductors with same cross section flexible, min twin ferrules with plastic sleeve (mm²)0.52 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)6Screw threadM4Slotted screwdriver size (Blade thickness x Width)(mm)1.0x5.5Philips screwdriver sizePH2Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	2 conductors with same cross section flexible, with min ferrule without plastic sleeve (mm ²)	0.5
ferrules with plastic sleeve (mm²)62 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm²)6Screw threadM4Slotted screwdriver size (Blade thickness x Width)(mm)1.0x5.5Philips screwdriver sizePH2Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	2 conductors with same cross section flexible, with max ferrule without plastic sleeve (mm ²)	6
ferrules with plastic sleeve (mm²)M4Screw threadM4Slotted screwdriver size (Blade thickness x Width)(mm)1.0x5.5Philips screwdriver sizePH2Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15		0.5
Slotted screwdriver size (Blade thickness x Width)(mm)1.0x5.5Philips screwdriver sizePH2Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	2 conductors with same cross section flexible, max twin ferrules with plastic sleeve (mm ²)	6
Philips screwdriver sizePH2Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	Screw thread	M4
Rated torque (N.m)2.5Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	Slotted screwdriver size (Blade thickness x Width)(mm)	1.0x5.5
Stripping Length (mm)12~14Mounting railTS-35 \ TS-35/15	Philips screwdriver size	PH2
Mounting rail TS-35 × TS-35/15	Rated torque (N.m)	2.5
	Stripping Length (mm)	12~14
End cover plate required YES	Mounting rail	TS-35、TS-35/15
	End cover plate required	YES



Grounding connections	YES

Connection data-UL

Rated voltage (UL/CUL Group B)(V)	600
Rated voltage (UL/CUL Group C)(V)	600
Min. solid wire connection (AWG) acc. to UL/CUL	20
Max. solid wire connection AWG acc. to UL/CUL	6
Min. stranded wire connection AWG acc. to UL/CUL	20
Max. stranded wire connection AWG acc. to UL/CUL	6

Environment & Safety

Back of the hand protection (YES or NO)	YES
Finger protection (YES or NO)	YES
Operating temperature. max (°C)	120
Operating temperature. min (°C)	-40

UL Recognized

Wire Range (Group B)(AWG)	20~6
Rated voltage (Group B)(V)	600
Wire Range (Group C)(AWG)	20~6
Rated voltage (Group C)(V)	600

CUL Recognized

Wire Range (Group B)(AWG)	20~6
Rated voltage (Group B)(V)	600
Wire Range (Group C)(AWG)	20~6
Rated voltage (Group C)(V)	600

VDE Approval

Wire Range (mm ²)	0.5~10
Rated voltage (V)	1000

Drawings





Approvals



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