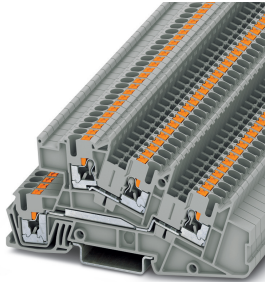


Installation level terminal block - PTI 2,5-L/L KAN - 3213939

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Installation level terminal block, Push-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Your advantages

- Double function shafts on all levels



Key Commercial Data

Packing unit	1
GTIN	 4 046356 959551
GTIN	4046356959551
Custom tariff number	85369010

Technical data

General

Number of levels	3
Number of connections	4
Potentials	2
Nominal cross section	4 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Maximum load current	30 A (with 4 mm ² conductor cross section and 3-pos. terminal block) 24 A (with a 2.5 mm ² conductor cross section)
Rated surge voltage	4 kV

Installation level terminal block - PTI 2,5-L/L KAN - 3213939

Technical data

General

	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.02 W (the value is multiplied when connecting multiple levels)
Maximum load current	30 A (with 4 mm ² conductor cross section and 3-pos. terminal block)
Nominal current I _N	24 A (with 4 mm ² conductor cross section)
Nominal voltage U _N	400 V (phase conductor/phase conductor)
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Note regarding shock protection	Depending on the end application with regard to the busbar.
Result of surge voltage test	Test passed
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of flexion and pull-out test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.14 mm ² / 0.2 kg
	4 mm ² / 0.9 kg
Tensile test result	Test passed
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of voltage-drop test	Test passed
Result of temperature-rise test	Test passed
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Short circuit stability result	Test passed
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.48 kA
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.48 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s

Installation level terminal block - PTI 2,5-L/L KAN - 3213939

Technical data

General

Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Length	101 mm
Height	48.6 mm
Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

Connection data

Installation level terminal block - PTI 2,5-L/L KAN - 3213939

Technical data

Connection data

Connection	1st, 2nd and 3rd level
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	4 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	0.5 mm ²
Connection cross sections directly pluggable	0.34 mm ² 4 mm ²
Conductor cross section solid min.	0.34 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Internal cylindrical gage	A3
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	0.5 mm ²

Ambient conditions

Operating temperature	-60 °C ... 105 °C (max. short-term operating temperature 130°C)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C

Standards and Regulations

Flammability rating according to UL 94	V0
--	----

Environmental Product Compliance

Installation level terminal block - PTI 2,5-L/L KAN - 3213939

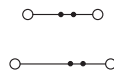
Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141125
eCl@ss 11.0	27141125
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141125
eCl@ss 9.0	27141125

ETIM

ETIM 4.0	EC000897
ETIM 6.0	EC001329
ETIM 7.0	EC001329

UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Installation level terminal block - PTI 2,5-L/L KAN - 3213939

Approvals

Approvals


LR / EAC / EAC / EAC / UL Recognized / cUL Recognized / DNV GL / IEC CB Scheme / VDE Zeichengenehmigung / cULus Recognized


Ex Approvals

Approval details

LR		http://www.lr.org/en	LR2002908TA
----	---	---	-------------

EAC			EAC-Zulassung
-----	---	--	---------------

EAC			RU C- DE.AI30.B.01102
-----	---	--	--------------------------

EAC			RU C- DE.BL08.B.00644
-----	---	--	--------------------------

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
---------------	---	---	--------------

	B	C	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	20 A	20 A	10 A
mm ² /AWG/kcmil	26-12	26-12	26-12

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
----------------	---	---	--------------


	B	C	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	20 A	20 A	10 A


Installation level terminal block - PTI 2,5-L/L KAN - 3213939


Approvals

	B	C	D
mm ² /AWG/kcmil	26-12	26-12	26-12

DNV GL		https://approvalfinder.dnvgl.com/	TAE00001BU
--------	---	---	------------

IECEE CB Scheme		http://www.iecee.org/	DE1-62955
Nominal voltage UN	400 V		
Nominal current IN	24 A		
mm ² /AWG/kcmil	0.2-4		

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40037480
Nominal voltage UN	400 V		
Nominal current IN	24 A		
mm ² /AWG/kcmil	0.2-4		

cULus Recognized	
------------------	---