

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

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 documentation. Our general terms of use for downloads are valid.



Initiator/actuator terminal block, Power terminal, nom. voltage: 24 V, nominal current: 13.5 A, number of connections: 2, connection method: Push-in connection, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: orange

Your advantages

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space

Commercial data

Item number	3244561
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2217
GTIN	4055626014425
Weight per piece (including packing)	12.8 g
Weight per piece (excluding packing)	12.7 g
Customs tariff number	85369010
Country of origin	PL

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

Technical data

Notes

General

Note	Current and voltage are determined by the resistance and the light indicator.
------	---

Product properties

Product type	Sensor/actuator terminal block
Number of connections	2
Number of rows	3
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
---------------------	------

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²
Connection method	Push-in connection
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.2 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.2 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal cross section	2.5 mm ²
Nominal current	13.5 A
Maximum load current	13.5 A
Nominal voltage	24 V

Connection cross sections directly pluggable

Conductor cross-section rigid	0.34 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 2.5 mm ²

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²
--	--

Dimensions

Width	7 mm
End cover width	2.2 mm
Height	74.4 mm
Depth on NS 35/7,5	41.5 mm
Depth on NS 35/15	49 mm

Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C

Electrical tests

Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.36 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.5 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

Result	Test passed
Test for conductor damage and slackening	
Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.2 mm ² / 0.2 kg
	2.5 mm ² / 0.7 kg
	4 mm ² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

Permissible humidity (storage/transport)	30 % ... 70 %
--	---------------

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

Mounting

Mounting type	NS 35/7,5
	NS 35/15

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block

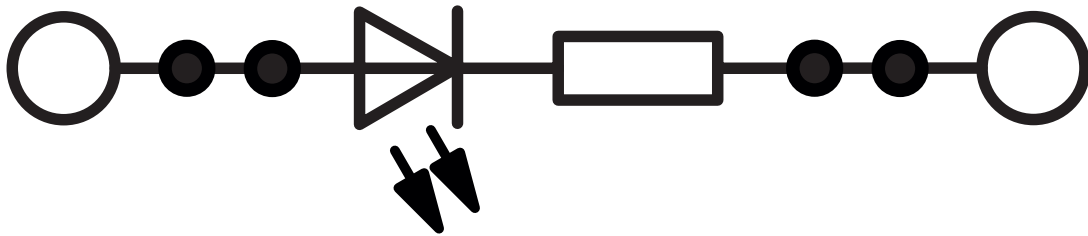


3244561

<https://www.phoenixcontact.com/us/products/3244561>

Drawings

Circuit diagram



PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block




3244561


<https://www.phoenixcontact.com/us/products/3244561>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3244561>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	300 V	10 A	24 - 12	-
C	150 V	16 A	24 - 12	-
D	300 V	10 A	24 - 12	-

 EAC Approval ID: RU C-DE.BL08.B.00644				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	300 V	10 A	24 - 12	-
C	150 V	16 A	24 - 12	-
D	300 V	10 A	24 - 12	-

 EAC Approval ID: KZ7500651131219505				
---	--	--	--	--

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

Classifications

ECLASS

ECLASS-13.0	27250112
ECLASS-15.0	27250112

ETIM

ETIM 10.0	EC000900
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PTIO-IN 2,5/3-LED 24 GN - Initiator/actuator terminal block



3244561

<https://www.phoenixcontact.com/us/products/3244561>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com