

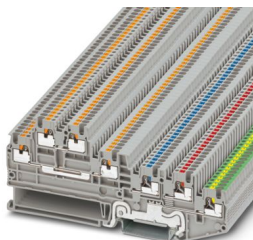
PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

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, with protective conductor function, nom. voltage: 250 V, nominal current: 13.5 A, number of connections: 7, connection method: Push-in connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

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	3244473
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2218
GTIN	4055626447889
Weight per piece (including packing)	15.25 g
Weight per piece (excluding packing)	15.25 g
Customs tariff number	85369010
Country of origin	PL

PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

Technical data

Product properties

Product type	Sensor/actuator terminal block
Number of connections	7
Number of rows	5
Potentials	5

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	1.5 mm ²
Rated cross section AWG	14
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	A1 / B1
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross-section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 1 mm ² (Using the AI-S 1-8 TQ ferrule, Item No. 1200293, is recommended)
Nominal cross section	1.5 mm ²
Nominal current	13.5 A
Maximum load current	13.5 A
Nominal voltage	250 V

Connection cross sections directly pluggable

Conductor cross-section rigid	0.25 mm ² ... 1.5 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm ² ... 1 mm ²

Dimensions

Width	3.5 mm
-------	--------

PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

End cover width	0.8 mm
Height	121.65 mm
Depth	44.6 mm
Depth on NS 35/7,5	52.1 mm
Depth on NS 35/15	59.6 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
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
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted
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	0.58g
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	5g
Shock duration	30 ms
Number of shocks per direction	3

PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

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

Standards and regulations

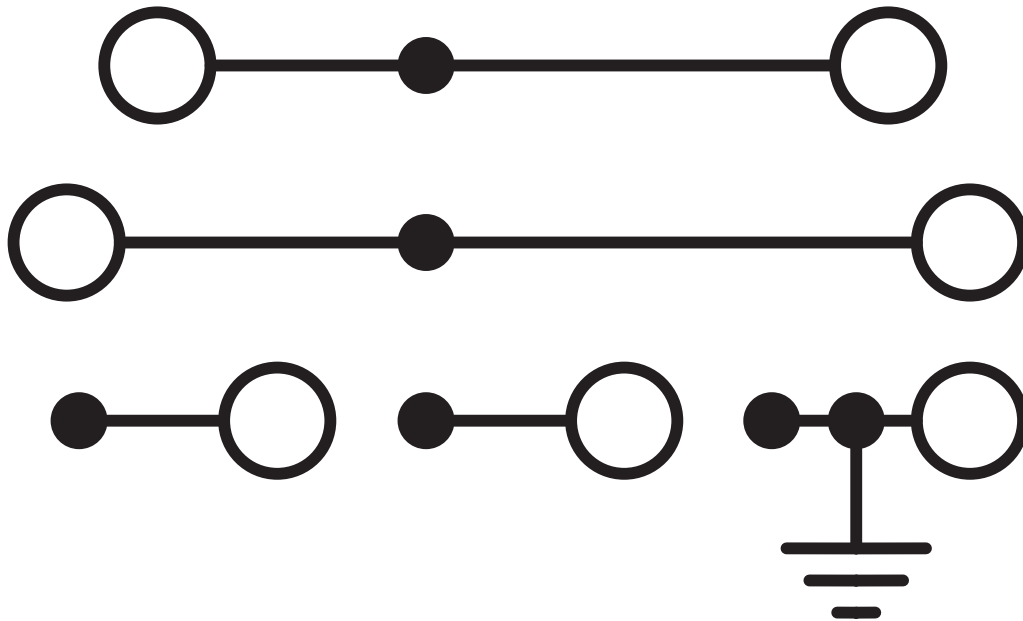
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
----------------------------------	-----------------------------

Mounting

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

Drawings

Circuit diagram



PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3244473>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	15 A	26 - 14	-
PE connection	300 V	-	26 - 14	-
C				
	300 V	15 A	26 - 14	-
PE connection	300 V	-	26 - 14	-
D				
	600 V	5 A	26 - 14	-
PE connection	600 V	-	26 - 14	-

 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	15 A	26 - 14	-
PE connection	300 V	-	26 - 14	-
C				
	150 V	15 A	26 - 14	-
PE connection	300 V	-	26 - 14	-
F				
	500 V	15 A	26 - 14	-
D				
PE connection	300 V	-	26 - 14	-

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

PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

Classifications

ECLASS

ECLASS-13.0	27250112
ECLASS-15.0	27250112

ETIM

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

UNSPSC

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

PTIO 1,5/S/5-PE - Initiator/actuator terminal block



3244473

<https://www.phoenixcontact.com/us/products/3244473>

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