PTI 16-NLS-FI - Installation terminal block

1030130

https://www.phoenixcontact.com/de/produkte/1030130

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.



Installation terminal block, with end bracket function, nom. voltage: 1000 V, nominal current: 70 A, Push-in connection, 1 level, Rated cross section: 16 mm^2, cross section: 0.5 mm^2 - 25 mm^2, mounting type: NS 35/7,5, NS 35/15, color: gray

Technical data

Notes

Note on application	with end bracket function

Product properties

Product type	Installation terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	2.43 W
Current carrying capacity of the neutral busbar	140 A

Connection data

Number of connections per level	2
Nominal cross section	16 mm²

1 level

Stripping length	18 mm ... 20 mm
Internal cylindrical gage	A7
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm² ... 25 mm²
Cross section AWG	20 ... 4 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 16 mm²
Conductor cross section, flexible [AWG]	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 16 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm² ... 4 mm²
Nominal current	70 A (for 16 mm² conductor cross section)
Maximum load current	76 A
Nominal voltage	1000 V
Nominal cross section	16 mm²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	2.5 mm² ... 25 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm² ... 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	2.5 mm² ... 16 mm²

Dimensions

Width	12.2 mm
Height	81.9 mm
Depth	46.8 mm
Depth on NS 35/7,5	48.5 mm
Depth on NS 35/15	56 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

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

Mounting

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

Phoenix Contact 2024 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de