PTI 16-NLS-FI-FE - Installation terminal block

1030135

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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: black/yellow

Commercial data

Item number	1030135
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE2252
GTIN	4055626533032
Weight per piece (including packing)	31.71 g
Weight per piece (excluding packing)	31 g
Customs tariff number	85369010
Country of origin	PL

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

Connection method	Push-in connection
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 cross section	16 mm²
Nominal current	70 A (for 16 mm² conductor cross-section)
Maximum load current	76 A
Nominal voltage	1000 V

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	multicolored (RAL -)
	black (RAL 9005)
	yellow (RAL 1018)
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

Drawings

Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27250110

ETIM

ETIM 9.0	EC001329

UNSPSC

UNSPSC 21.0	39121400

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%

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