PT 2X10/9X4 BU - Potential collective terminal

3002368

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Potential collective terminal, nom. voltage: 1000 V, nominal current: 57 A, Line contact, connection method: Push-in connection, Rated cross section: 10 mm^2, cross section: 0.5 mm^2 - 16 mm^2, Load contact, connection method: Push-in connection, Rated cross section: 4 mm^2, cross section: 0.5 mm^2 - 6 mm^2, mounting: NS 35/7,5, color: blue

Commercial data

Item number	3002368
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2219
GTIN	4055626431079
Weight per piece (including packing)	49.98 g
Weight per piece (excluding packing)	46.1 g
Customs tariff number	85369010
Country of origin	IN

Technical data

Product properties

Product type	Potential distributor
Product family	PT
Number of connections	11
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	2

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	11
Nominal cross section	4 mm²

Line contact

Connection method	Push-in connection
Stripping length	20 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm² ... 16 mm²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² ... 10 mm²
Conductor cross-section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 10 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 10 mm²
Nominal cross section	10 mm²
Nominal current	57 A
Maximum load current	101 A (with 2x10 mm² conductor cross-section)
Nominal voltage	1000 V

Load contact

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm² ... 6 mm²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² ... 4 mm²
Conductor cross-section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 4 mm²

2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1 mm²
Nominal cross section	4 mm²
Nominal current	32 A
Maximum load current	36 A (with 6 mm² conductor cross-section)
Nominal voltage	1000 V

Line contact Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm² ... 16 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 10 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 10 mm²

Load contact Connection cross sections directly pluggable

Conductor cross-section rigid	0.5 mm² ... 6 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 4 mm²

Dimensions

Width	18.5 mm
Height	83.2 mm
Depth	42.4 mm
Depth on NS 35/7,5	47.9 mm

Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	PA 6.6
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

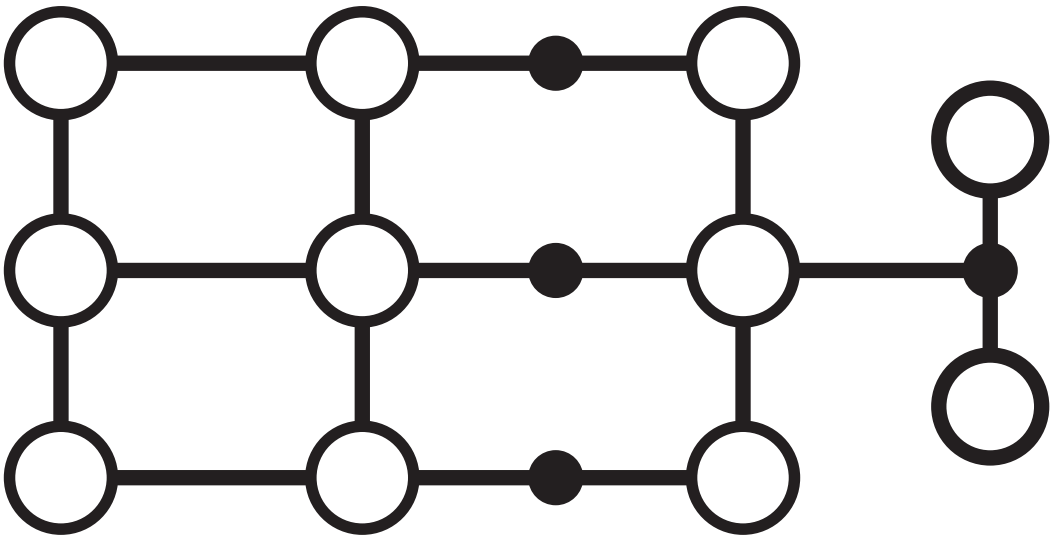
Connection in acc. with standard	IEC 60947-7-1
	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5

Drawings

Circuit diagram



Approvals

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cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
Output	600 V	25 A	20 - 10	-
Input	600 V	50 A	20 - 8	-
C				
Output	600 V	25 A	20 - 10	-
Input	600 V	50 A	20 - 8	-
F				
Output	1000 V	25 A	20 - 10	-
Input	1000 V	50 A	20 - 8	-

EAC
Approval ID: KZ7500651131219505

Classifications

ECLASS

ECLASS-13.0	27250119
ECLASS-15.0	27250119

ETIM

ETIM 10.0	EC000897

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%

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