Distribution block - PTVFIX 2,5/3

1300609

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Distribution block, nom. voltage: 690 V, nominal current: 24 A, connection method: Push-in connection, Rated cross section: 2.5 mm^2, cross section: 0.14 mm^2 - 4 mm^2, mounting type: for snapping onto a DIN rail adapter, color: gray

Commercial Data

Item number	1300609
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to Order (non-returnable)
Product Key	BEA281
GTIN	4063151544683
Weight per Piece (including packing)	22.22 g
Weight per Piece (excluding packing)	22.22 g
Customs tariff number	85369010
Country of origin	PL

Technical Data

Product properties

Product type	Distributor terminal block
Number of positions	3
Number of connections	6
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Number of connections per level	6
Nominal cross section	2.5 mm²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
	B3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	0.14 mm² ... 4 mm²
Cross section AWG	26 ... 12
Conductor cross section flexible	0.14 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	26 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 2.5 mm²
Nominal current	24 A
Maximum load current	32 A (with 4 mm² conductor cross-section)
Maximum total current	The maximum load current of the individual terminal point must not be exceeded.
Nominal voltage	690 V
Note	The IEC 60947-7-1 standard applies for the use of mounting accessories.
Nominal cross section	2.5 mm²
Connection in acc. with standard	IEC 60998-2-2
Nominal voltage	450 V (in accordance with IEC 60998-2-2)

Connection cross sections directly pluggable

Conductor cross section solid	0.5 mm² ... 4 mm²
Conductor cross section, solid [AWG]	20 ... 12
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.75 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 2.5 mm²

Dimensions

Width	15.68 mm
Height	21.7 mm
Length	28.6 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

Electrical tests

Surge voltage test

Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 35
Result	Test passed

Test for conductor damage and slackening

Rotation speed	9 rpm

Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
	IEC 60998-2-2

Mounting

Mounting type	for snapping onto a DIN rail adapter

Classifications

ECLASS

ECLASS-11.0	27141120

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