PTFIX 6X1,5-RZ RD - Distribution block

3003080

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Distribution block, jumpered internally, with securing pin for fixing, nom. voltage: 500 V, nominal current: 17.5 A, number of connections: 6, connection method: Push-in connection, cross section: 0.14 mm^2 - 1.5 mm^2, mounting type: Direct mounting with securing pin, color: red

Commercial data

Item number	3003080
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	BE2269
GTIN	4055626434797
Weight per piece (including packing)	5.95 g
Weight per piece (excluding packing)	5.95 g
Country of origin	PL

Technical data

Notes

Notes on operation	the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories

Product properties

Number of connections	6
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV

Connection data

Number of connections per level	6
Nominal cross section	1.5 mm²
Rated cross section AWG	14
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 60998-2-2
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 1.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm² ... 1.5 mm²
Nominal current	17.5 A
Maximum load current	17.5 A
Nominal voltage	500 V

Connection cross sections directly pluggable

Conductor cross-section rigid	0.34 mm² ... 1.5 mm²
Conductor cross-section, rigid [AWG]	24 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 1.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 1.5 mm²

Dimensions

Width	14.7 mm
Height	22.1 mm

Drill hole spacing	8.3 mm
Hole diameter	3.5 mm
Plate thickness	0.6 mm ... 1.5 mm

Material specifications

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

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 1.5 mm²	0.18 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Technical data

Drill hole spacing	8.3 mm

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	Conductive mounting panel
Test force setpoint	1 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.14 mm² / 0.2 kg
	1.5 mm² / 0.4 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
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	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Standards and regulations

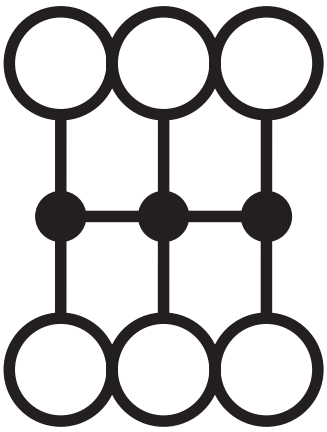
Connection in acc. with standard	IEC 60998-2-2

Mounting

Mounting type	Direct mounting with securing pin

Drawings

Circuit diagram



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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