Bolt connection terminal block - RBO 6-F - 3075935

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Bolt connection terminal block, Connection method: Bolt connection, Cross section: 2.5 mm² - 35 mm², AWG: 12 - 2, Width: 17 mm, Height: 39.7 mm, Color: gray, Mounting type: Direct screw connection

Product Features

- Compact connection with ring and fork-type cable lugs
- Mounting on standard DIN rails or directly in control boxes
- Isolator bridge bar for switchable cross connections
- Bridge shaft for potential distribution using standard screw bridges

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	35.0 GRM
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	125 A (with 35 mm² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1

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Technical data

General

Nominal current I_N	125 A
Nominal voltage U_N	800 V
Open side panel	nein
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	3.5 mm²
Short-time current	4.2 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	1.857 $(m/s^2)^2/Hz$
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	17 mm
Length	80.8 mm

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Technical data

Dimensions

Height	39.7 mm

Connection data

Note	Connection bolts
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG/kcmil min.	12
Conductor cross section AWG/kcmil max	2
Conductor cross section stranded min.	2.5 mm²
Conductor cross section stranded max.	35 mm²
Min. AWG conductor cross section, stranded	12
Max. AWG conductor cross section, stranded	2
Min. cross section for cable lug connection	6 mm²
Max. cross section for cable lug connection	35 mm²
Connection method	Bolt connection
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

UNSPSC 6.01	30211811

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Classifications

UNSPSC

UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

	B	C
Nominal current IN	115 A	115 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
Nominal current IN	115 A	115 A
Nominal voltage UN	600 V	600 V

GOST

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Approvals

cULus Recognized

Accessories

Accessories

Bridge

Fixed bridge - FB 10-17 ISO - 3213085

Fixed bridge, Number of positions: 10, Color: silver

Cover profile

Cover profile - AP RSC-T - 3059139

Cover profile, for covering terminal strips, directly snapped onto RBO... and RSC... test disconnect terminal blocks.
Length supplied: 1 m

End cover

Flange cover - D-RSC 6-F - 3213108

Flange cover, Length: 80.8 mm, Width: 2.2 mm, Color: gray

Labeled terminal marker

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Accessories

Zack marker strip - ZB 17 CUS - 0829393

Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 17 mm, Lettering field: 17 x 10.5 mm

Partition plate

Separating plate - TS-KK 3 - 2770215

Separating plate, Length: 14 mm, Width: 1.5 mm, Height: 16 mm, Color: gray

Socket spanner

Tool - SHN 13 - 1209923

Socket wrench, wrench size 13 mm

Terminal marking

Zack marker strip - ZB 17:UNBEDRUCKT - 0829391

Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 17 mm, Lettering field: 17 x 10.5 mm

Drawings

Circuit diagram

Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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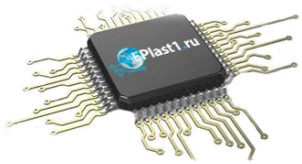
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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