

Data sheet

RT045xxHBWC Typ 003

Page 1/5

P/N
310031xx

xx=number of poles

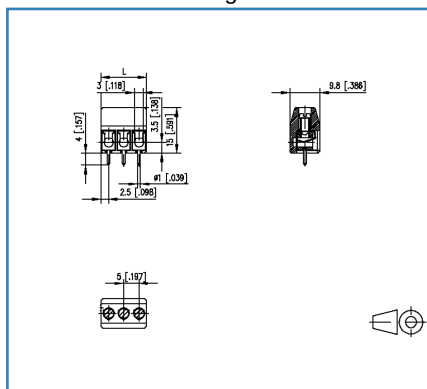
2019/10/23

Version: V

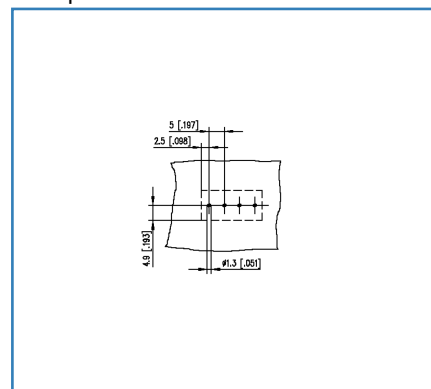
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- screw type terminal block, solderable
- centerline 5.00 mm, direction of connection 90°
- wire protector, fittable without loss of poles
- color black



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Page 2/5

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310031xx

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Technical Data

General Data

Tightening torque SEV	0.5 Nm		
Tightening torque UL	7 lb-in		
Solder pin length	4 mm		
min. number of poles	2		
max. number of poles	24		
Insulating material class	CTI 600		
clearance/creepage dist.	3.9 mm		
protection category	IP20		
Min. insul. strip length	8 mm		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	160 V	400 V	400 V
Rated test voltage	2.5 kV	2.5 kV	2.5 kV

Connection Data

rat.wiring solid AWGmax	0.34 mm ² - 2.5 mm ² / AWG 22 - AWG 12
rat.wiring strand.AWGmax	0.34 mm ² - 2.5 mm ² / AWG 22 - AWG 12

Approvals

extended wiring UL	Wire range extended to No. 30 AWG for factory-wiring. Two same size wires No. 22-16 AWG Cu, Sol/Str for field-wiring; No. 30-16 AWG Cu Sol/Str factory-wiring.
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 V / A / AWG	300 / 20 / 22 - 12
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approval UL - File No.	E121004
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 2.5 mm ²	250 V / 24 A / 24A / T60
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Material

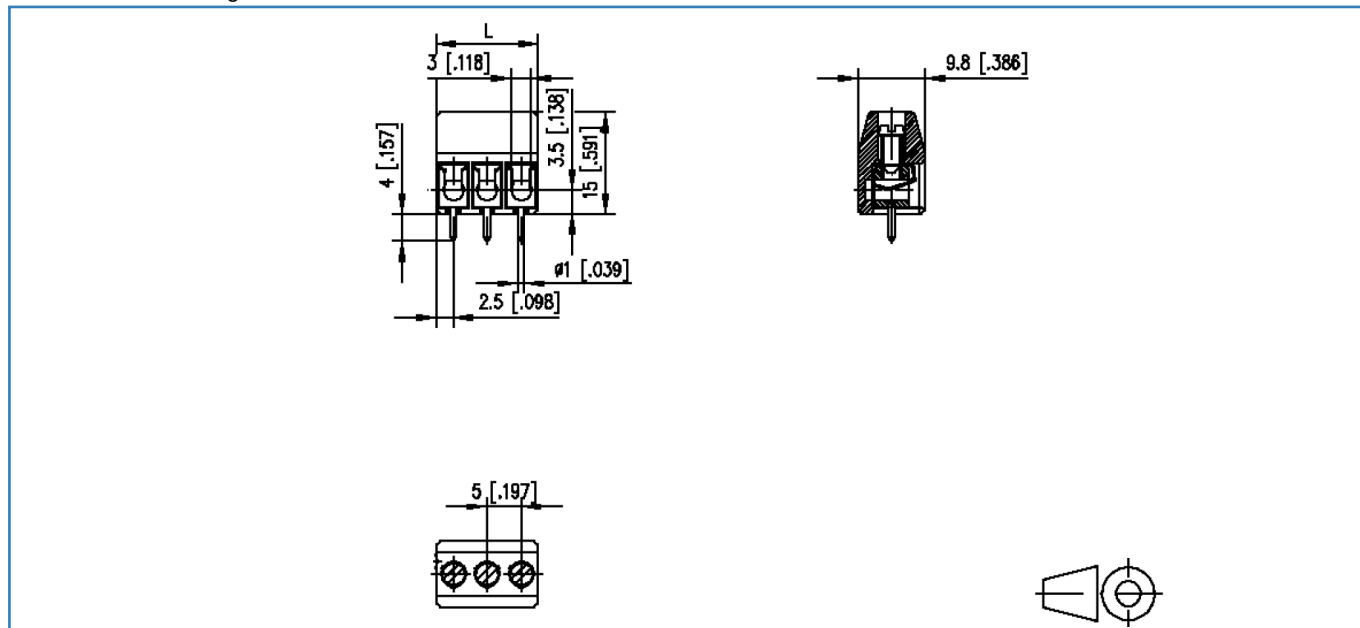
insulating material	PA66
flammability class	V0
terminal body material	CuZn
terminal body surface	Ni + Sn
screw surface	Zn Cr(VI)-frei/free
wire protector material	CuSn
wire protector surface	Sn
screw thread	M3
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12

Technical Data

Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13
REACH - substance (SVHC)	Lead / 7439-92-1
Climatic Data	
upper limit temperature	105 °C
lower limit temperature	-40 °C
General	
Tolerance	ISO 2768 -mH
Solderability	Acc. to JEDEC JESD22-B102E 245°C/5s

Illustrations

Dimensional drawing



$L = (\text{pole size} - 1) \times \text{centerline} + 5 \text{ mm } [0.197]$

Illustrations

Drill pattern

