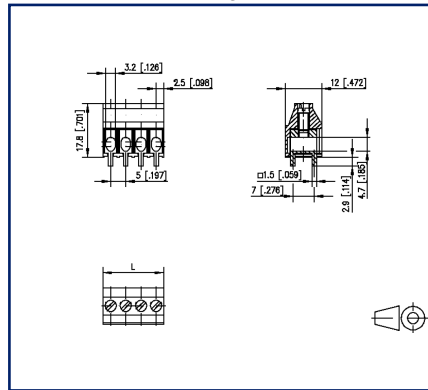


Data sheet
RT165xxHBNC Typ 170

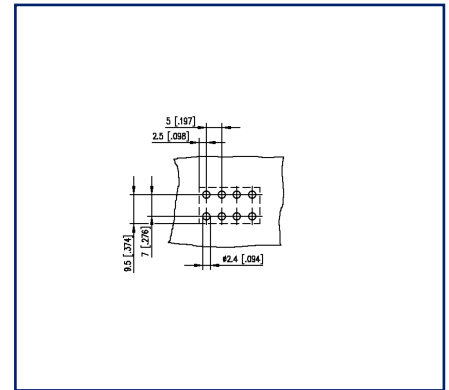
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- screw type terminal block, solderable, double solder pins
- centerline 5.00 mm, direction of connection 90°
- fittable without loss of poles
- color black
- big chamber for wire entry 2 x 2.50 mm² / 2 x 13.00 AWG

Data sheet RT165xxHBNC Typ 170

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P/N
311701xx

xx=number of poles

2022/04/05

Version: AB

Technical Data

General Data


Tightening torque SEV	0.8 Nm		
Tightening torque UL	7.1 lb-in		
Solder pin length	2.9 mm		
min. number of poles	2		
max. number of poles	12		
Insulating material class	CTI 600		
clearance/creepage dist.	3.5 mm		
Protection category	IP10		
Min. insul. strip length	9.5 mm		
Rated current	16 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	630 V	630 V
Rated test voltage	4 kV	4 kV	4 kV

Terminal data


rat.wiring solid AWGmax	0.5 mm ² - 4 mm ² / AWG 20 - AWG 10		
rat.wiring strand.AWGmax	0.5 mm ² - 4 mm ² / AWG 20 - AWG 10		

Approvals

extended wiring UL Device is rated for use with No. 20 AWG Cu, Solid wire only and No. 10 AWG Cu, Sol/Str wire.

 V / A / AWG 300 / 20 / 20 - 10

approval UL - File No. E121004

 2 2.5 mm² 250 V / 24 A / T60

Material

insulating material	PA66
flammability class	V0
terminal body thread	M3,5
terminal body material	CuZnPb
terminal body surface	Ni + Sn
screw thread	M3,5
screw material	8,8
screw surface	Cu + Ni
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12

Data sheet
RT165xxHBNC Typ 170

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P/N
311701xx

xx=number of poles

2022/04/05

Version: AB

Technical Data

Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13
REACH	compliant
REACH - substance (SVHC)	Lead / 7439-92-1

Climatic Data

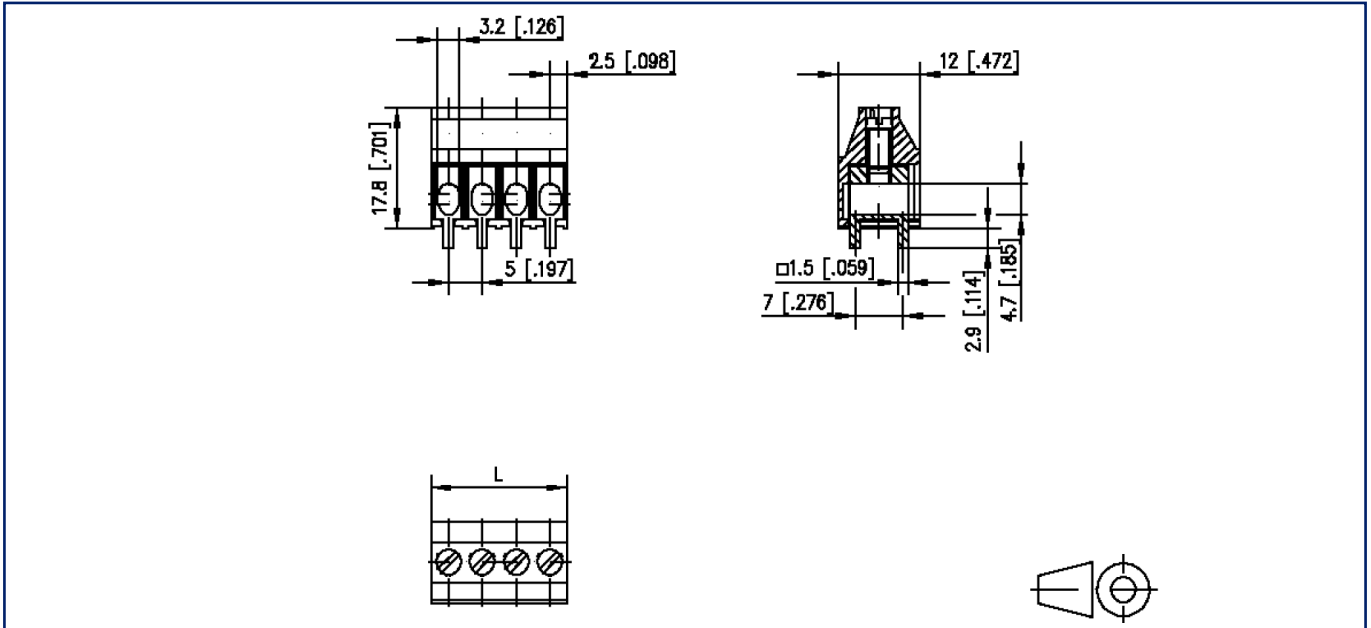
upper limit temperature	105 °C
lower limit temperature	-40 °C

general

Tolerance	ISO 2768 -mH
Solderability	Acc. to JEDEC JESD22-B102E 245°C/5s

Illustrations

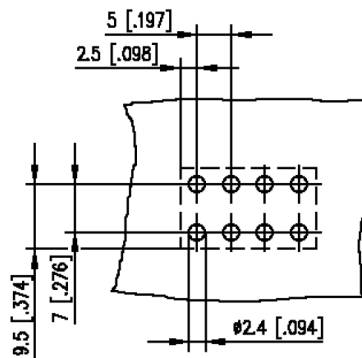
Dimensional drawing



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

Illustrations

Drill pattern



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