

# Data sheet

## RT165xxHBNC Typ 170

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P/N  
311701xx

xx=number of poles

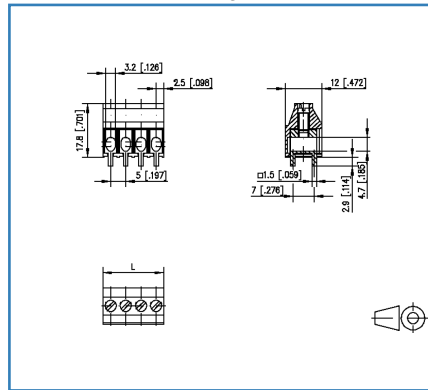
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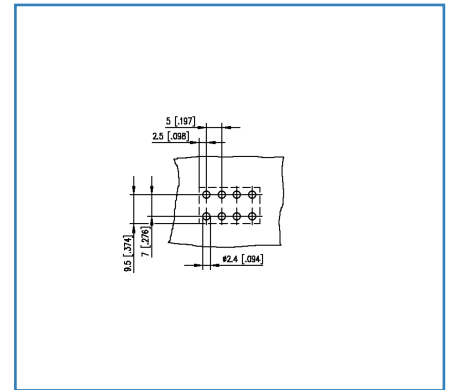
### Illustrations



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 mm<sup>2</sup> / 2 x 13.00 AWG

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**RT165xxHBNC Typ 170**

**Technical Data**

General Data			
Tightening torque SEV	0.8 Nm		
Tightening torque UL	7 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		
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

Connection Data	
rat.wiring solid AWGmax	0.5 mm <sup>2</sup> - 4 mm <sup>2</sup> / AWG 20 - AWG 10
rat.wiring strand.AWGmax	0.5 mm <sup>2</sup> - 4 mm <sup>2</sup> / 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 mm <sup>2</sup>	250 V / 24 A / 24A / T60

Material	
insulating material	PA66
flammability class	V0
terminal body material	CuZn
terminal body surface	Ni + Sn
screw surface	Cu + Ni
screw thread	M3.5
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12
Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13
REACH - substance (SVHC)	Lead / 7439-92-1

**Climatic Data**

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### Technical Data

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

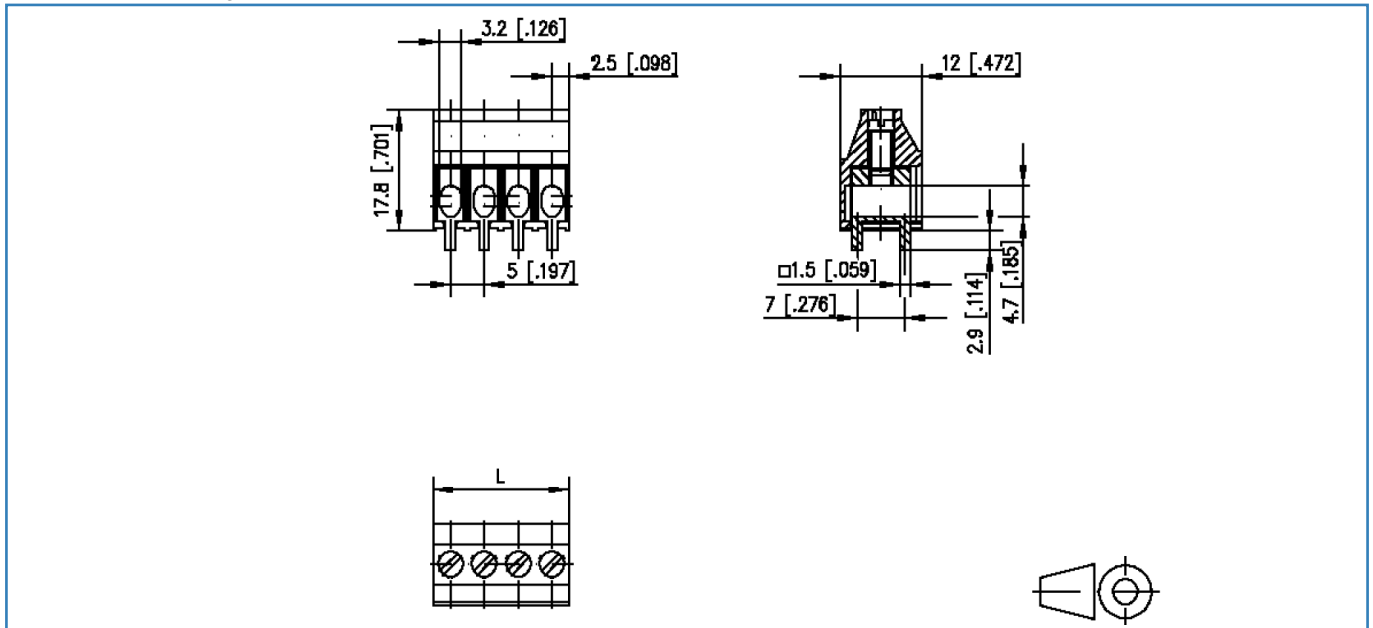
### General

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



**Illustrations**

Dimensional drawing



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

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## Illustrations

### Drill pattern

