

Data sheet

RT083xxDBWC Type 105

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P/N

311051xx

xx=number of poles

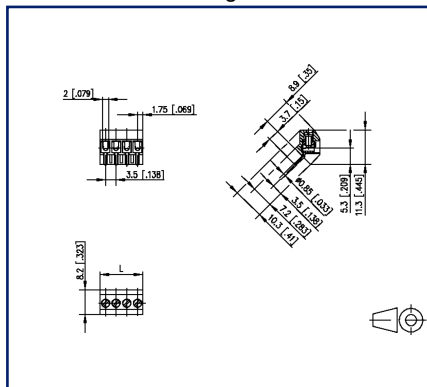
2023/03/21

Version: AE

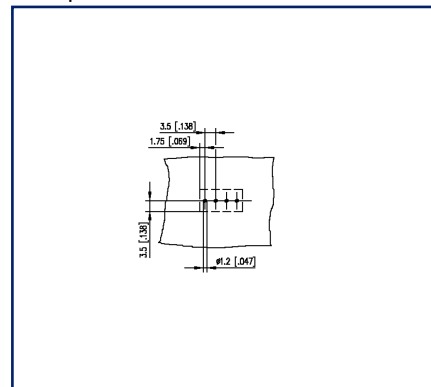
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- screw type terminal block, solderable
- centerline 3.50 mm, direction of connection 45°
- wire protector, fittable without loss of poles
- color black



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Technical Data

General Data

Tightening torque SEV	0.15 Nm		
Tightening torque UL	1.3 lb-in		
Solder pin length	3.7 mm		
min. number of poles	2		
max. number of poles	16		
Insulating material class	CTI 600		
clearance/creepage dist.	2.1 mm		
Protection category	IP20		
Min. insul. strip length	5 mm		
Rated current	6 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	40 V	250 V	250 V
Rated test voltage	1.5 kV	1.5 kV	1.5 kV

Terminal data

rat.wiring solid AWGmax	0.34 mm ² - 1 mm ² / AWG 22 - AWG 18
rat.wiring strand.AWGmax	0.34 mm ² - 1 mm ² / AWG 22 - AWG 18

Approvals

 V / A / AWG	300 / 10 / 28 - 16
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approval UL - File No.	E121004
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 1 mm ²	130 V / 13.5 A / T60
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Material

insulating material	PA66
flammability class	V0
terminal body thread	M2
terminal body material	CuZnPb
terminal body surface	Ni + Sn
screw thread	M2
screw material	8,8
screw surface	Zn Cr(VI)-frei/free

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Technical Data

wire protector material	CuSn
wire protector surface	Sn
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12
Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13

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

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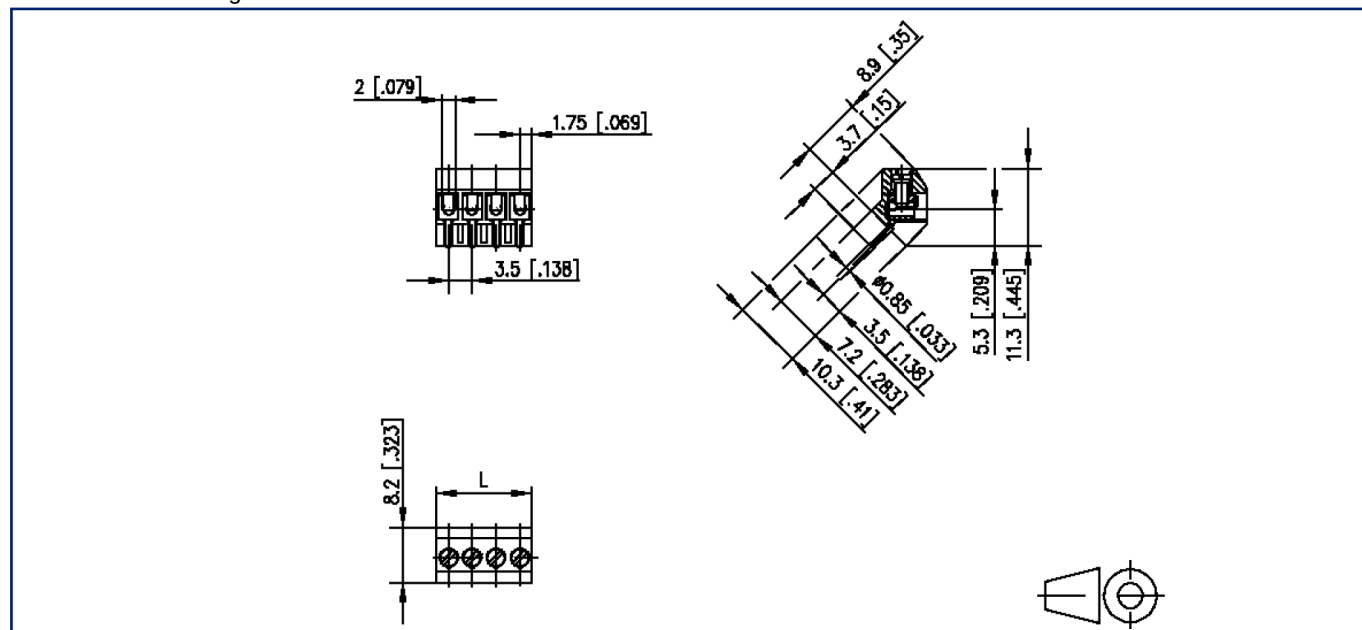
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Illustrations

Dimensional drawing



$L = (\text{pole size} - 1) \times \text{centerline} + 3.5 \text{ mm} [0.138]$

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Drill pattern

