

Data sheet

RT083xxDBWC Typ 105

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P/N
311051xx

xx=number of poles

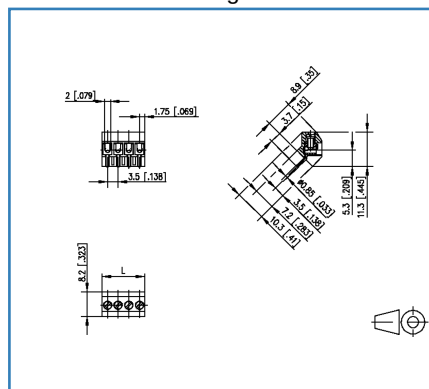
2019/10/24

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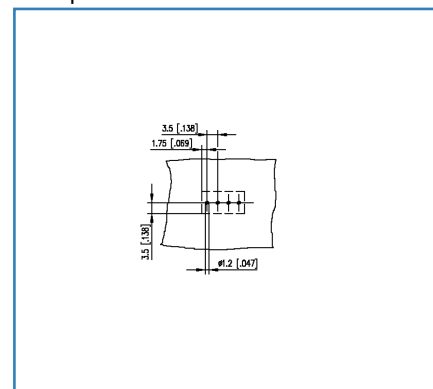
Illustrations



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	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		
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

Connection 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
approval UL - File No.	E121004
 1 mm ²	130 V / 13.5 A / 13.5A / T60

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	M2
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

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Technical Data**Climatic Data**

upper limit temperature 105 °C

lower limit temperature -40 °C

General

Tolerance ISO 2768 -mH

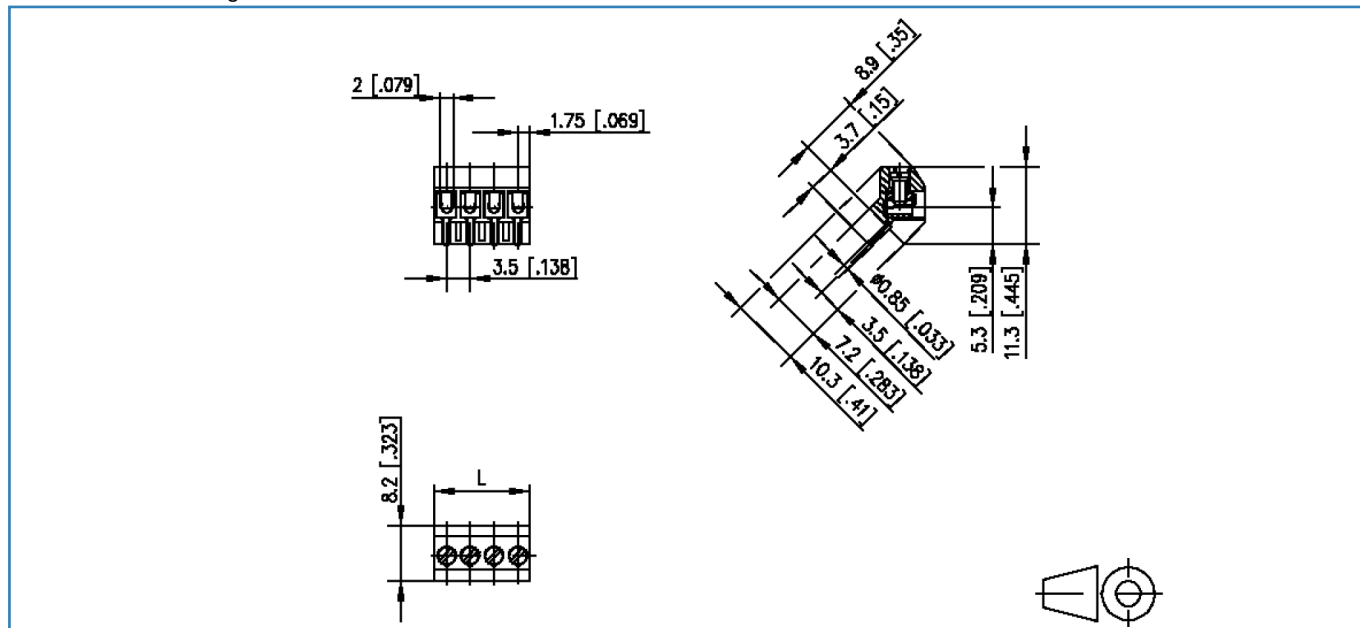
Solderability Acc. to JEDEC JESD22-B102E 245°C/5s

© 2019 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!



Illustrations

Dimensional drawing



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



Illustrations

Drill pattern

