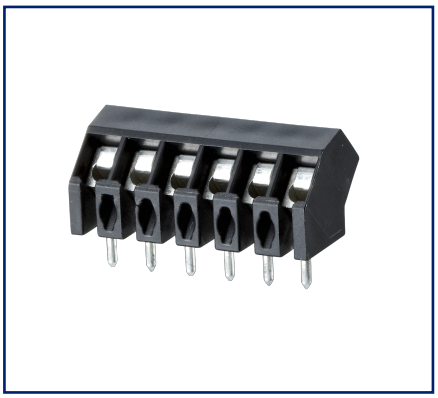
Data sheet

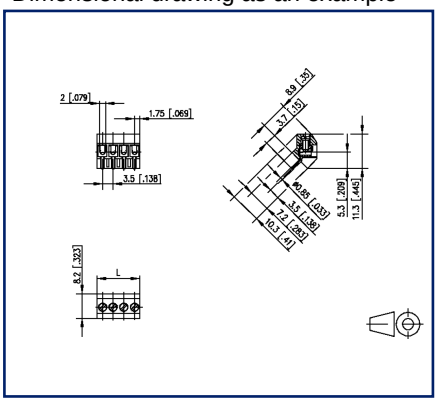
RT083xxDBWC Type 105

P/N
311051xx
xx=number of poles
2026/11/10
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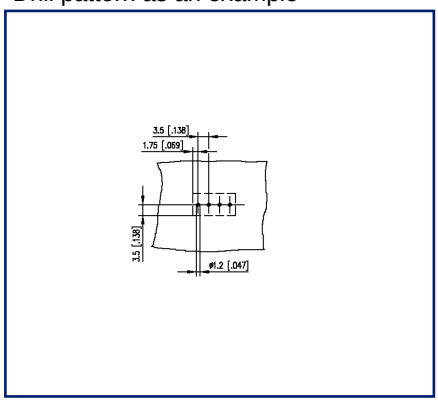
Illustrations



Dimensional drawing as an example



Drill pattern as an example



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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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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 with wire connected		
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	2.5 kV	2.5 kV	2.5 kV
Terminal data			
rat.wiring solid AWGmax	0.34 mm² - 1 mm² / AWG 22 - AWG 18		
rat.wiring strand.AWGmax	0.34 mm² - 1 mm² / AWG 22 - AWG 18		
Approvals			
c UL us V / A / AWG	300 / 10 / 28 - 16		
approval UL - File No.	E121004		
SEV	130 V / 13.5 A / T60		
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

Application note

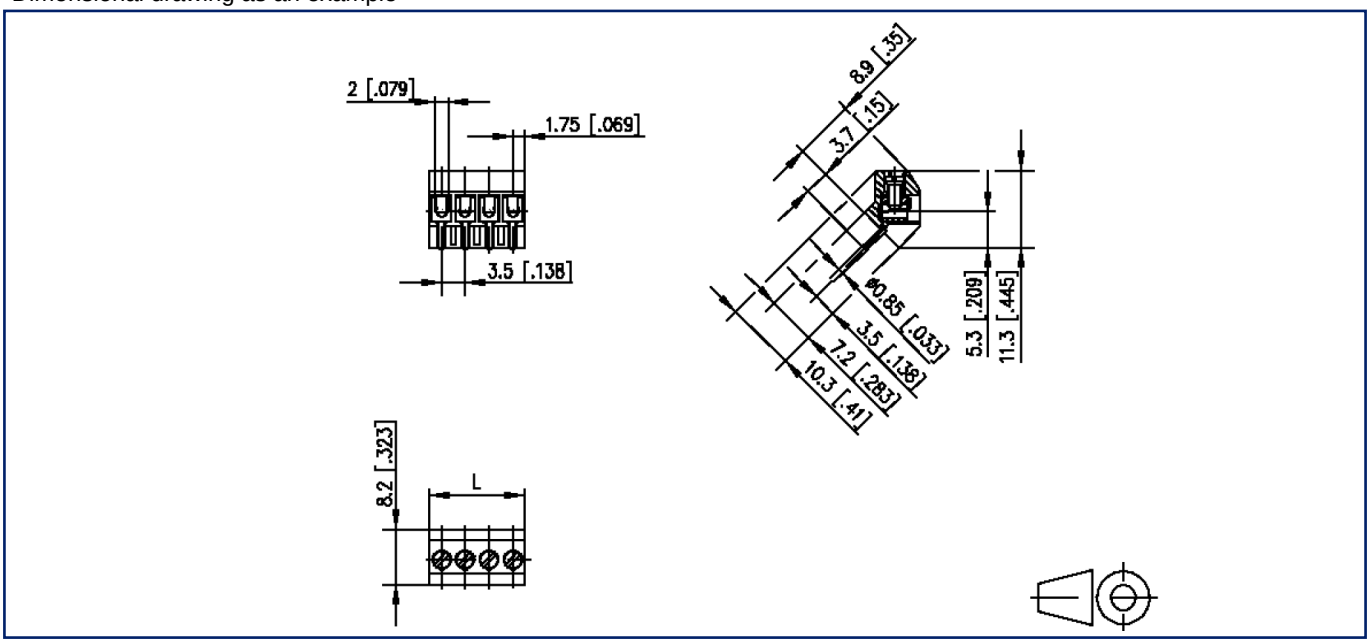
This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.

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P/N
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Illustrations

Dimensional drawing as an example



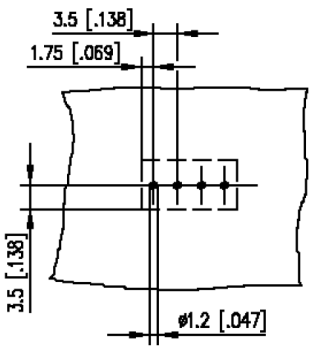
L=(pole size - 1) x centerline + 3.5 mm [0.138]

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Illustrations

Drill pattern as an example



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