

Data sheet

RT085xxDBWC Type 005

Page 1/5

P/N

310051xx

xx=number of poles

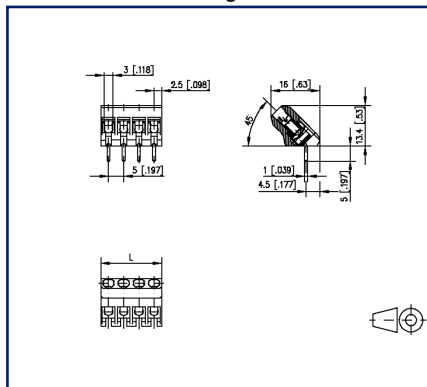
2023/06/23

Version: AA

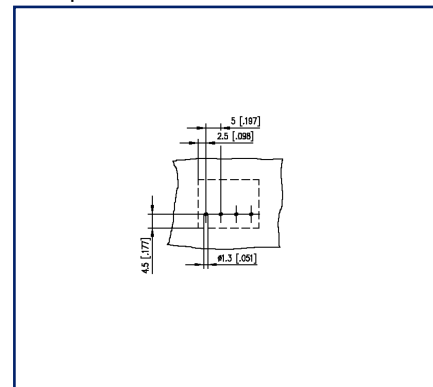
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- screw type terminal block, solderable
- centerline 5.00 mm, direction of connection 45°
- wire protector, fittable without loss of poles
- color black



U | Contact

Data sheet RT085xxDBWC Type 005

Page 2/5

P/N
310051xx

xx=number of poles

2023/06/23

Version: AA

Technical Data

General Data			
Tightening torque SEV	0.5 Nm		
Tightening torque UL	4.4 lb-in		
Solder pin length	5 mm		
min. number of poles	2		
max. number of poles	12		
Insulating material class	CTI 600		
clearance/creepage dist.	2.6 mm		
Protection category	IP20		
Min. insul. strip length	8 mm		
Rated current	16 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	160 V	400 V	400 V
Rated test voltage	2.5 kV	2.5 kV	2.5 kV
Terminal data			
rat.wiring solid AWGmax	0.34 mm² - 2.5 mm² / AWG 22 - AWG 12		
rat.wiring strand.AWGmax	0.34 mm² - 2.5 mm² / AWG 22 - AWG 12		
Approvals			
extended wiring UL	Wire range extended to No. 30 AWG for factory-wiring. Two same size wires No. 22-16 AWG Cu, Sol/Str for field-wiring; No. 30-16 AWG Cu Sol/Str factory-wiring.		
 V / A / AWG	300 / 20 / 22 - 12		
approval UL - File No.	E121004		
2.5 mm²	350 V / 30 A / 1700		
Material			
insulating material	PA66		
flammability class	V0		
terminal body thread	M3		
terminal body material	CuZnPb		
terminal body surface	Ni + Sn		
screw thread	M3		
screw material	8,8		

U | Contact

Data sheet RT085xxDBWC Type 005

Page 3/5

P/N
310051xx

xx=number of poles

2023/06/23

Version: AA

Technical Data

screw surface	Zn Cr(VI)-frei/free
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

U | Contact

Data sheet

RT085xxDBWC Type 005

Page 4/5

P/N

310051xx

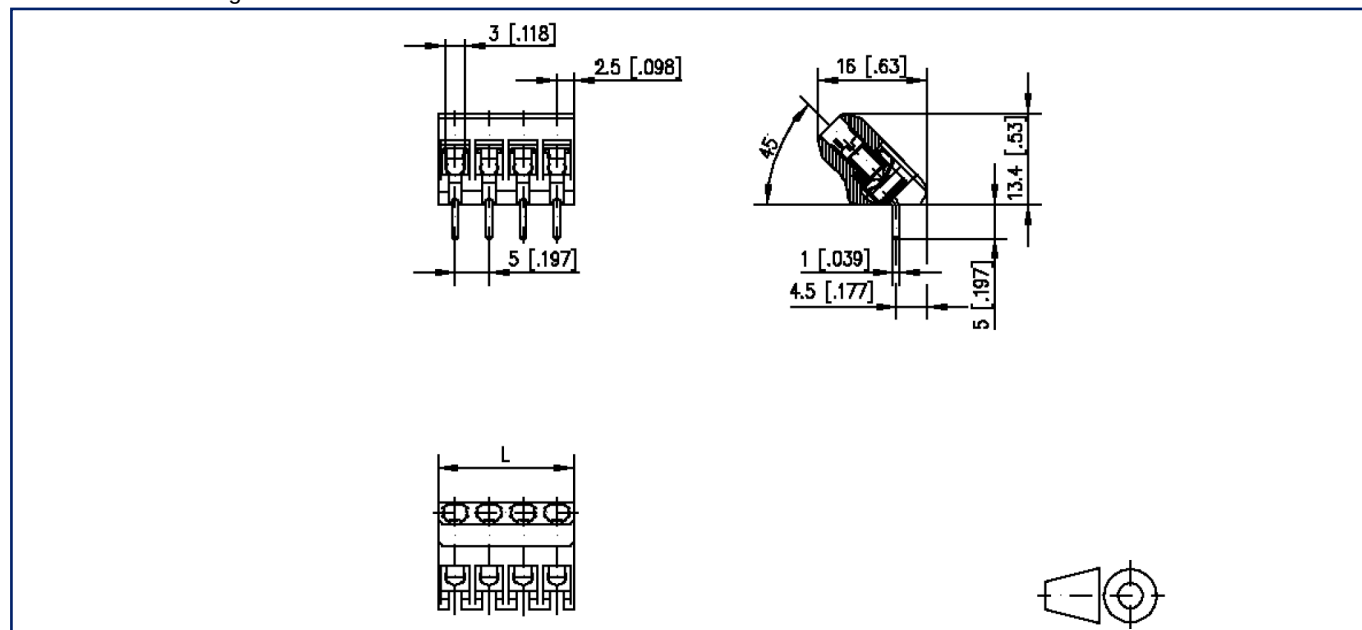
xx=number of poles

2023/06/23

Version: AA

Illustrations

Dimensional drawing



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



U | Contact

Data sheet

RT085xxDBWC Type 005

Page 5/5

P/N

310051xx

xx=number of poles

2023/06/23

Version: AA

Illustrations

Drill pattern

