

Data sheet

ST059xxHBNC AST059

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P/N

AST059xx

xx=number of poles

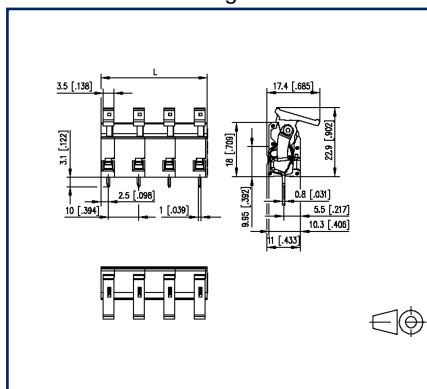
2023/07/03

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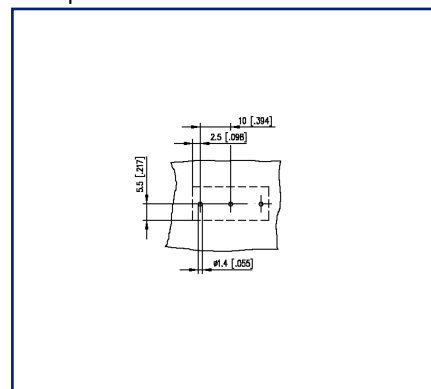
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- spring clamp terminal block, solderable
- centerline 10.00 mm, direction of connection 90°
- fittable without loss of poles
- color black
- eccentric lever

Technical Data

General Data

Solder pin length	3.1 mm		
min. number of poles	2		
max. number of poles	12		
Insulating material class	CTI 600		
clearance/creepage dist.	9 mm		
Protection category	IP20		
Min. insul. strip length	6 mm		
Rated current	25 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	500 V	1000 V	1000 V
Rated test voltage	6 kV	6 kV	6 kV

Terminal data

rat.wiring solid AWGmax	0.08 mm ² - 2.5 mm ² / AWG 28 - AWG 12
rat.wiring strand.AWGmax	0.08 mm ² - 2.5 mm ² / AWG 28 - AWG 12

Approvals

 V / A / AWG	600 / 12 / 28 - 12
approval UL - File No.	E121004
 2.5 mm ²	500 V / 6 kV / 19 A

Material

insulating material	PA66
flammability class	V0
spring material	Spring steel
contact material	CuSn
Contact 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

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Technical Data

general

Tolerance

ISO 2768 -mH

Solderability

Acc. to JEDEC JESD22-B102E 245°C/5s



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Accessories

P/N	Designation
AST0590602-000	ST059xxHBNC AST059



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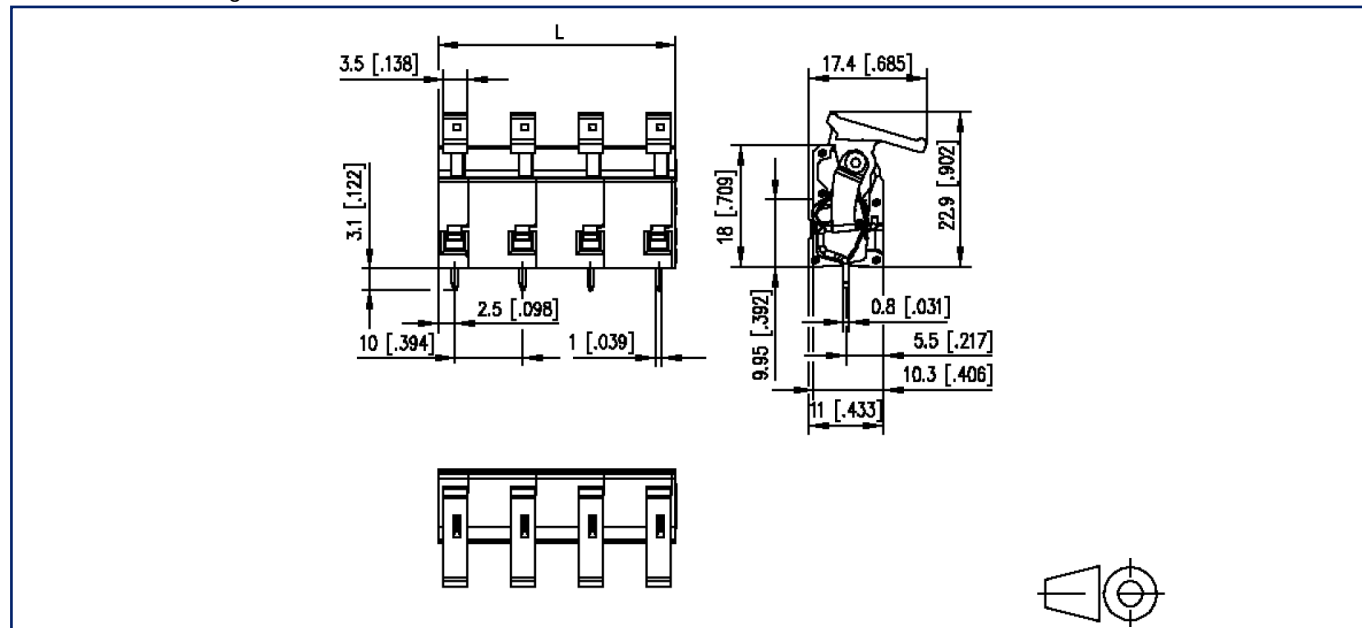
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Illustrations

Dimensional drawing



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

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Drill pattern

