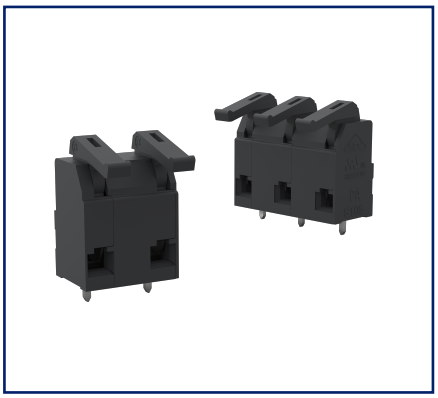
Data sheet

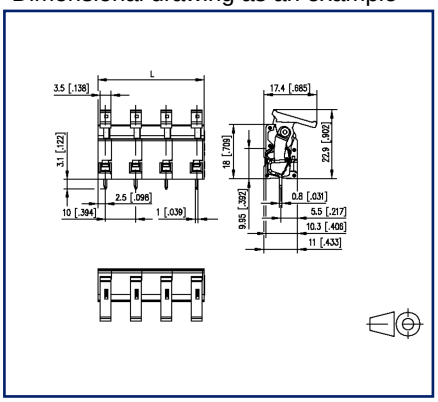
ST059xxHBNC AST059

P/N
AST059xx02
xx=number of poles
2026/11/09
Version: M

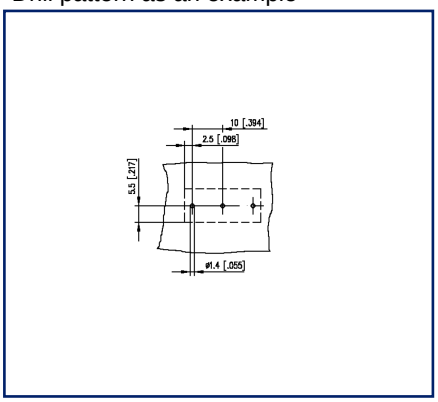
Illustrations



Dimensional drawing as an example



Drill pattern as an example



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

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Technical Data

General Data			
Solder pin length	3.1 mm		
Insulating material class	CTI 600		
clearance/creepage dist.	9 mm		
Protection category	IP20		
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 mm² - 2.5 mm² / AWG 28 - AWG 12		
rat.wiring strand.AWGmax	0.08 mm² - 2.5 mm² / AWG 28 - AWG 12		
Approvals			
c UL us V / A / AWG	600 / 12 / 28 - 12		
approval UL - File No.	E121004		
SEV	500 V / 6 kV / 19 A		
Material			
insulating material	PA		
flammability class	V0		
spring material	Spring steel		
contact material	CuSn		
Contact surface	Sn		
Glow-Wire Flammability GWFI	850 °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		

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Technical Data

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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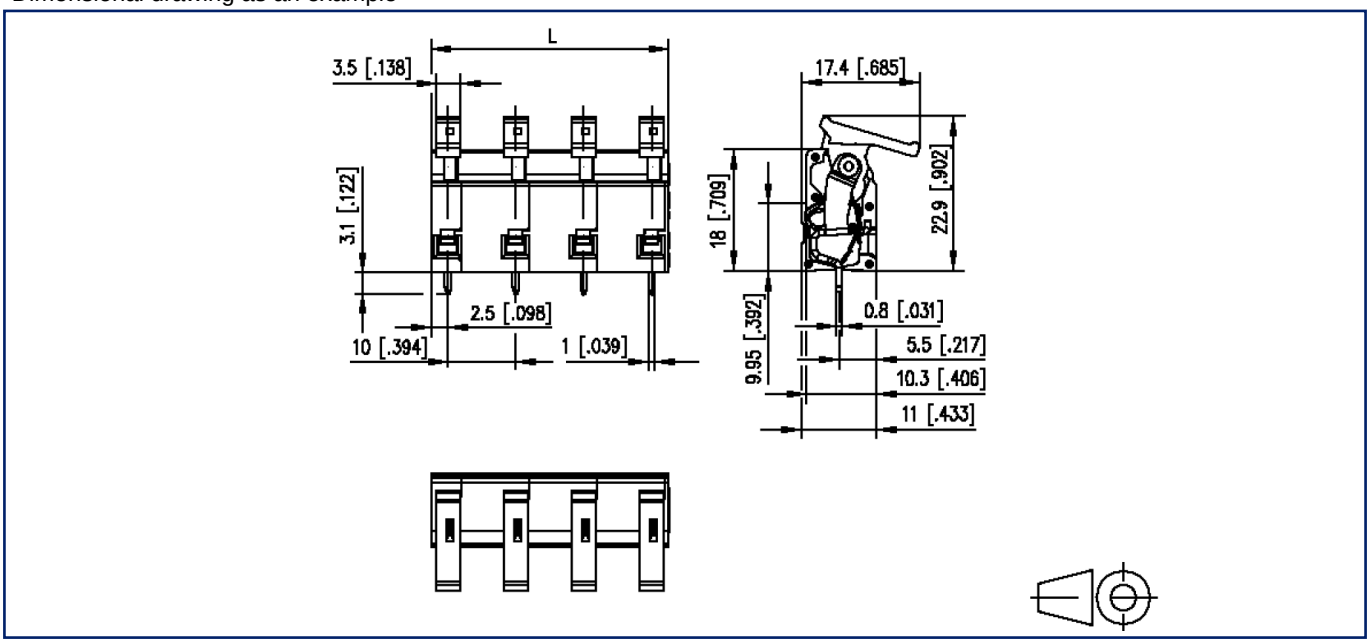
Accessories

P/N	Designation
AST0590602-000	ST059xxHBNC AST059

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Illustrations

Dimensional drawing as an example

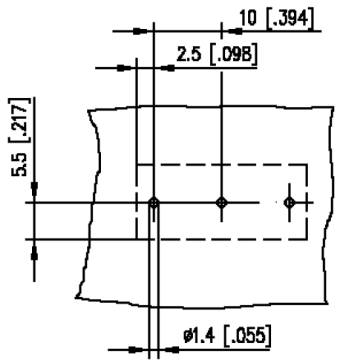


L=(pole size - 1) x centerline + 5 mm [0.197]

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Illustrations

Drill pattern as an example



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