

Data sheet

ST105xxVDNN AST105

Page 1/5

P/N

AST105xx

xx=number of poles

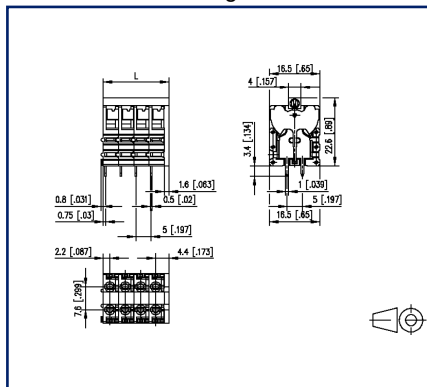
2023/07/03

Version: W

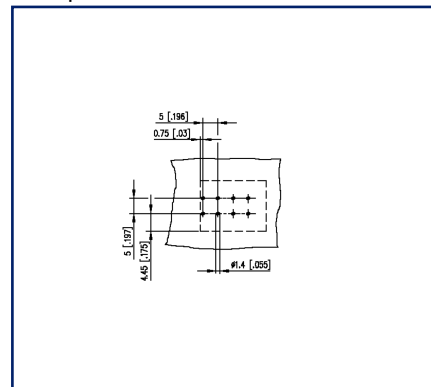
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- spring clamp terminal block, solderable, double solder pins
- centerline 5.00 mm, direction of connection vertical 0°
- color gray
- push-button, double solder pins

Technical Data

General Data

Solder pin length	3.4 mm		
min. number of poles	2		
max. number of poles	24		
Insulating material class	CTI 600		
clearance/creepage dist.	4.5 mm		
Protection category	IP20		
Min. insul. strip length	15 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	0.2 mm ² - 2.5 mm ² / AWG 28 - AWG 12
rat.wiring strand.AWGmax	0.2 mm ² - 2.5 mm ² / AWG 28 - AWG 12

Approvals

 V / A / AWG	300 / 15 / 28 - 12
approval UL - File No.	E121004
 1 mm ²	250 V / 13.5 A / T60

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

U | Contact

Data sheet

ST105xxVDNN AST105

Page 3/5

P/N

AST105xx

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2023/07/03

Version: W

Technical Data

general

Tolerance

ISO 2768 -mH

Solderability

Acc. to JEDEC JESD22-B102E 245°C/5s



U | Contact

Data sheet

ST105xxVDNN AST105

Page 4/5

P/N

AST105xx

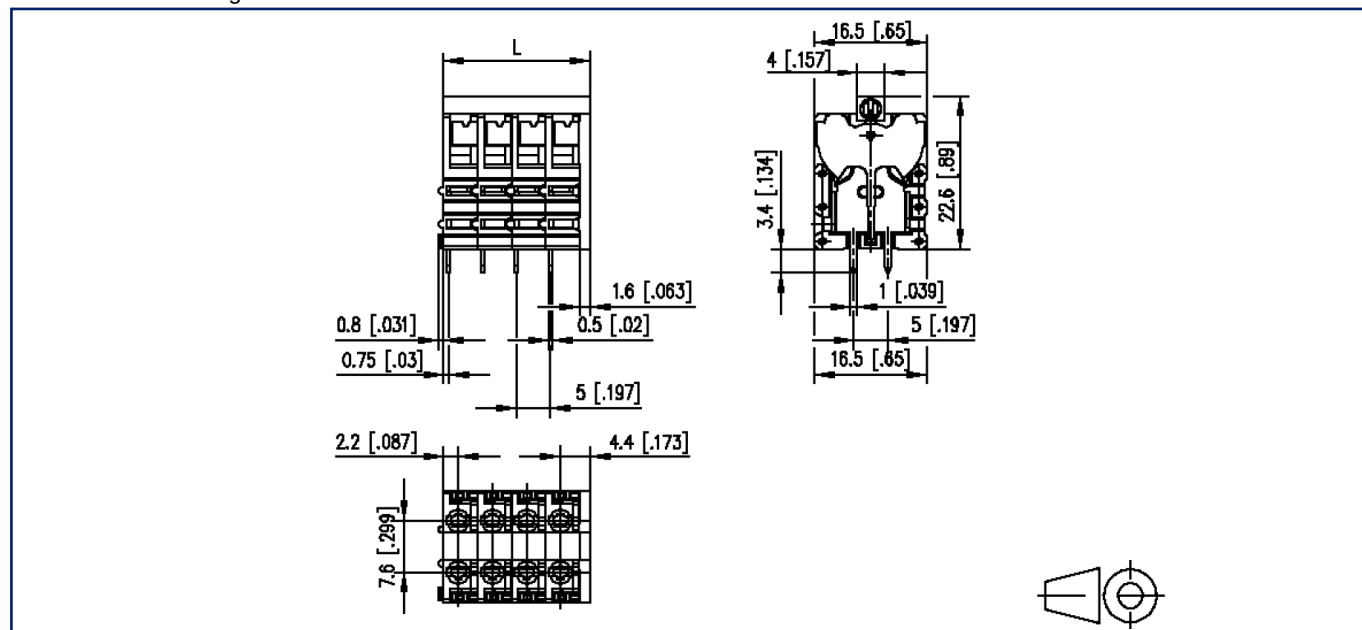
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Illustrations

Dimensional drawing



$L = (\text{pole size} - 1) \times \text{centerline} + 6.6 \text{ mm} [0.26]$

U | Contact

Data sheet

ST105xxVDNN AST105

Page 5/5

P/N

AST105xx

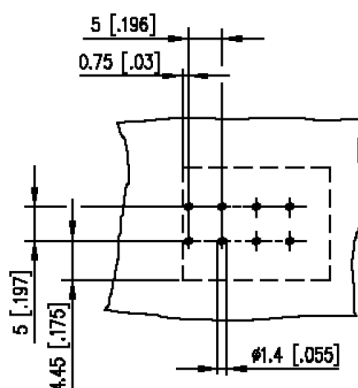
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Weitere Dokumentation siehe / additional documentation see /
documentation supplémentaire voir www.metz-connect.com