

Data sheet

ST105xxVDNN AST105

Page 1/5

P/N

AST105xx04

xx=number of poles

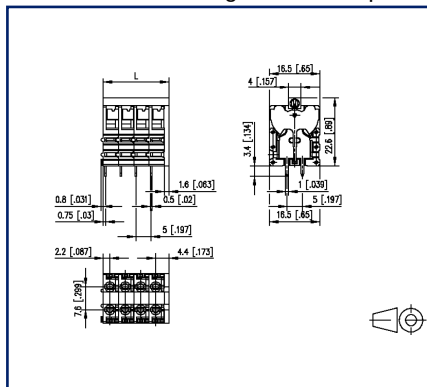
2025/08/25

Version: AA

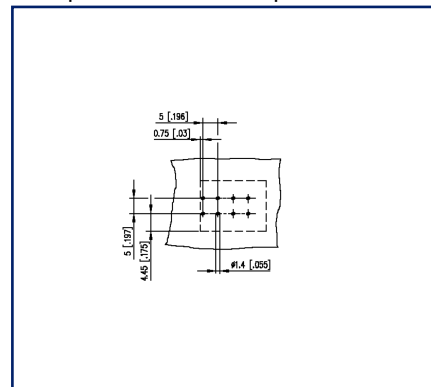
Illustrations



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, double solder pins
- centerline 5.00 mm, direction of connection vertical 0°
- color gray
- push-button, double solder pins



Data sheet

ST105xxVDNN AST105

Page 2/5

P/N

AST105xx04

xx=number of poles

2025/08/25

Version: AA

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		
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	4 kV	4 kV	4 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
	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

Data sheet
ST105xxVDNN AST105

Page 3/5

P/N
AST105xx04
xx=number of poles
2025/08/25
Version: AA

Technical Data

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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



Data sheet

ST105xxVDNN AST105

Page 4/5

P/N

AST105xx04

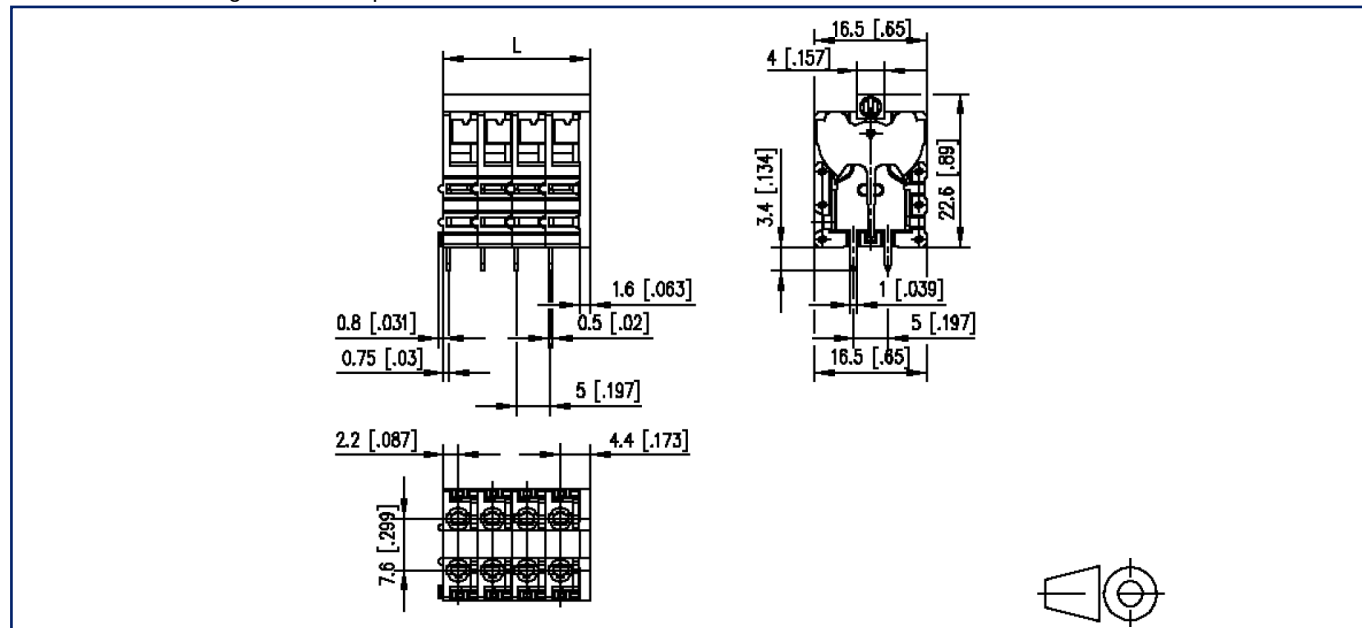
xx=number of poles

2025/08/25

Version: AA

Illustrations

Dimensional drawing as an example



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



Data sheet ST105xxVDNN AST105

Page 5/5

P/N
AST105xx04
xx=number of poles
2025/08/25
Version: AA

Illustrations

Drill pattern as an example

