

Data sheet ST255xxHDNL

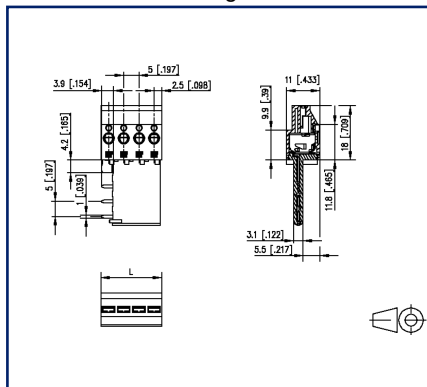
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P/N
ST255XXHDNL
xx=number of poles
2023/07/03
Version: U

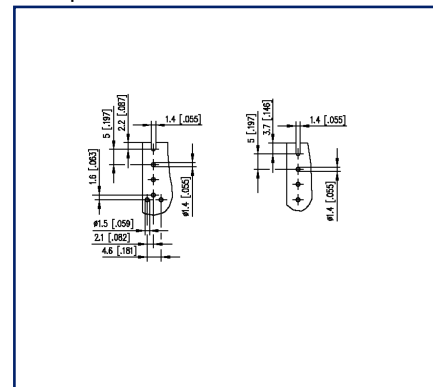
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- spring clamp terminal block, solderable
- centerline 5.00 mm, direction of connection 90°
- color gray
- solder pins right-angled to the left



Technical Data

General Data

Solder pin length	3.6 mm		
min. number of poles	2		
max. number of poles	4		
Insulating material class	CTI 600		
clearance/creepage dist.	4 mm		
Protection category	IP20		
Min. insul. strip length	8 mm		
Rated current	19 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	320 V	800 V	800 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 24 - AWG 14
rat.wiring strand.AWGmax	0.2 mm ² - 2.5 mm ² / AWG 24 - AWG 12

Approvals

V / A / AWG	300 / 17 / 24 - 12
approval UL - File No.	E121004



2.5 mm²

250 V / 2.5 kV / 19 A

Material

insulating material	PA66/PPA
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



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Technical Data

Tolerance	ISO 2768 -mH
Solderability	Acc. to JEDEC JESD22-B102E 245°C/5s



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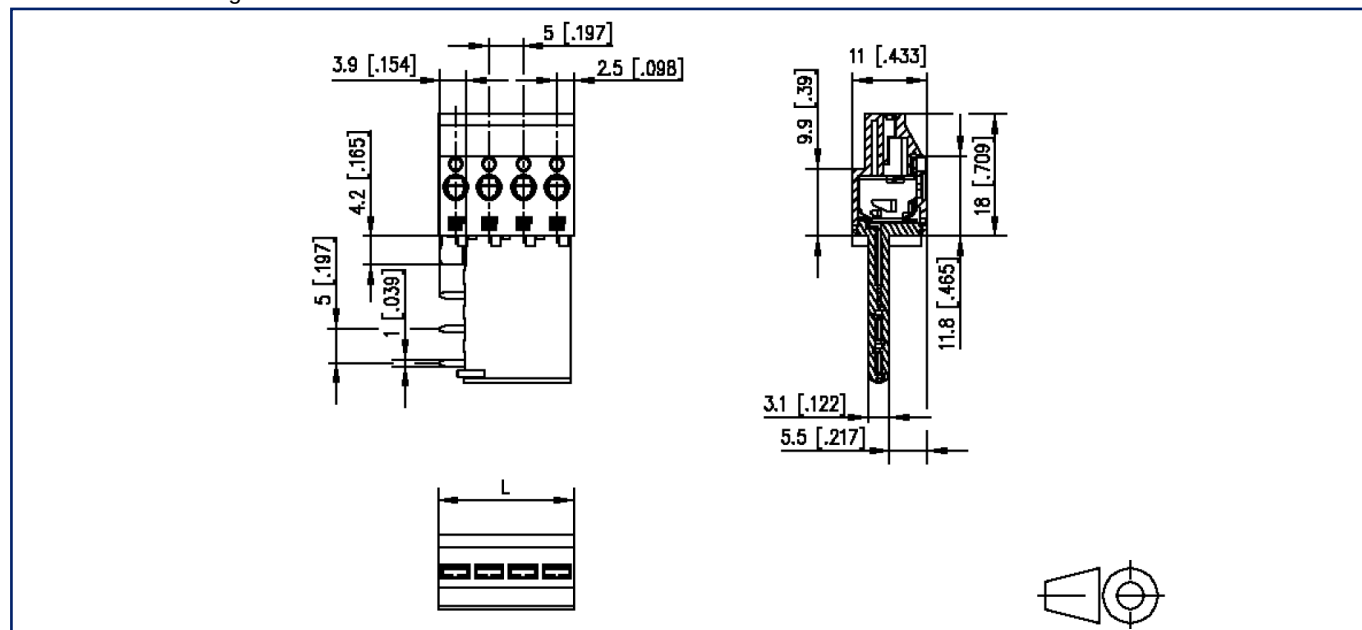
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$L = (\text{pole size} - 1) \times \text{centerline} + 5 \text{ mm } [0.197]$

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