

Data sheet

IT023xxHDNU AIT023

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P/N

AIT023

xx=number of poles

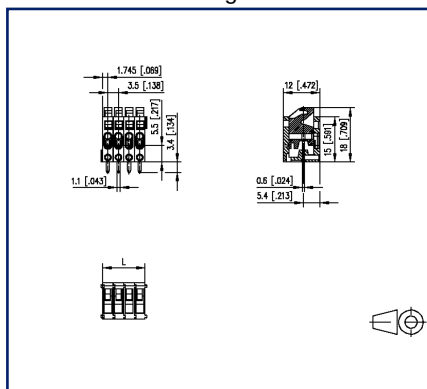
2023/06/28

Version: AF

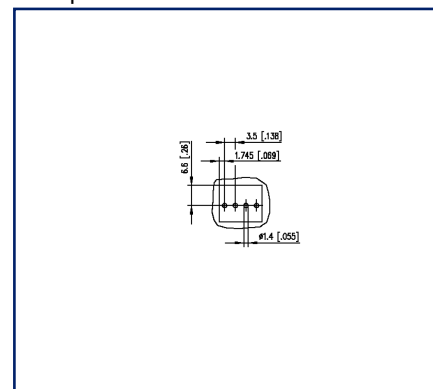
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- insulation displacement connector, solderable
- centerline 3.50 mm, direction of connection 90°
- modular
- color gray



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Technical Data

General Data

Solder pin length	3.4 mm		
min. number of poles	1		
max. number of poles	24		
Insulating material class	CTI 600		
clearance/creepage dist.	2.3 mm		
Protection category	IP20		
wire insulation	1.8 mm		
Rated current	2.5 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 - 0.34 mm ² / AWG 24 - AWG 22		
rat.wiring strand.AWGmax	0.2 mm ² - 0.34 mm ² / AWG 24 - AWG 22		

Approvals

 V / A / AWG	150 / 2.5 / 24 - 22		
approval UL - File No.	E121004		
 0.34 mm ²	130 V / 5 A / T60		

Material

insulating material	PA66
flammability class	V0
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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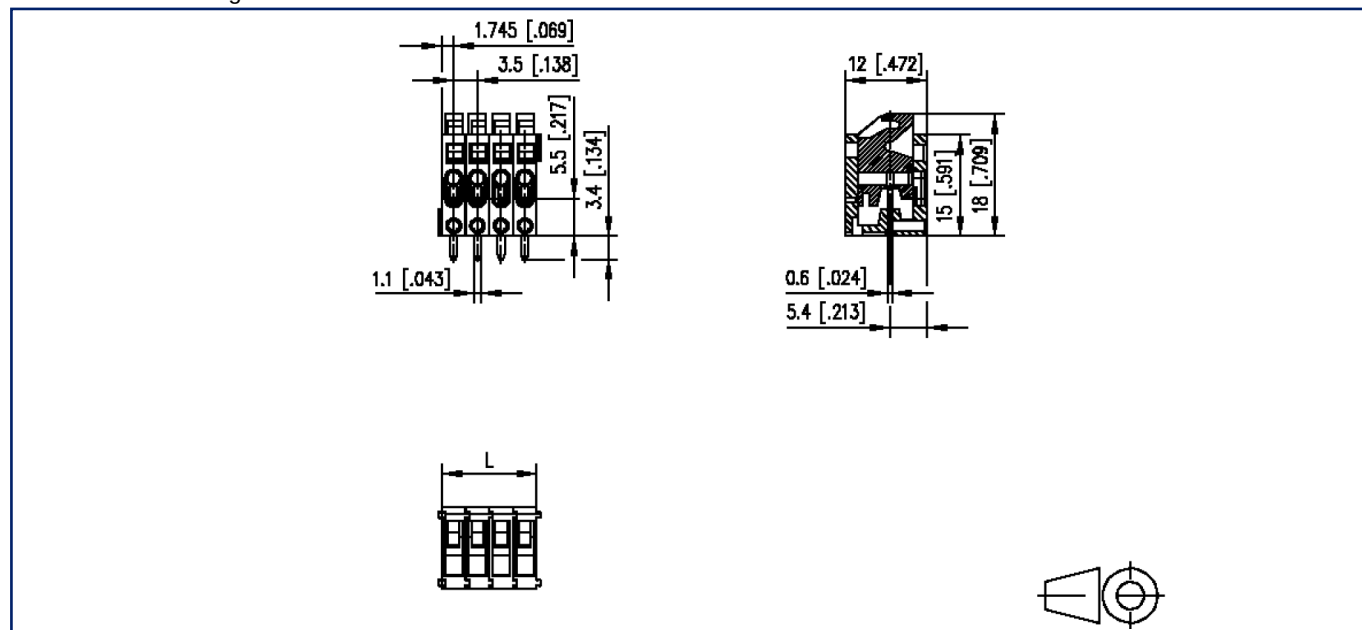
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Illustrations

Dimensional drawing



$L = (\text{pole size} - 1) \times \text{centerline} + 3.5 \text{ mm} [0.138]$

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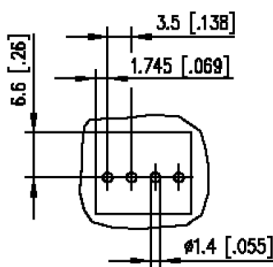
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Drill pattern



Application example

