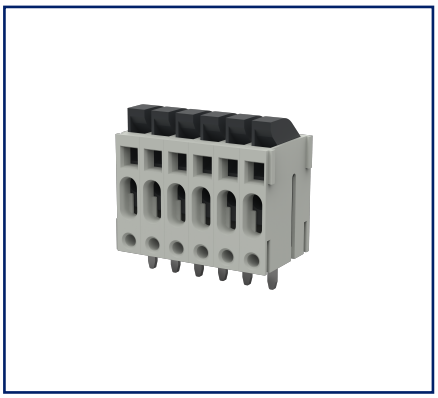
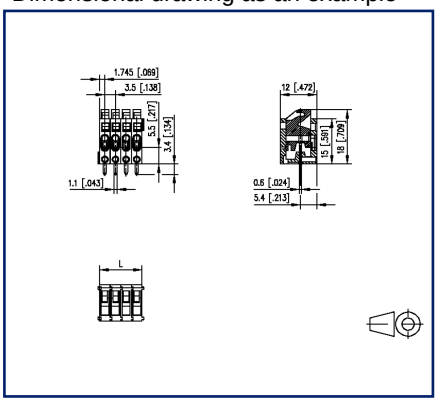
Data sheet
IT023xxHDNU AIT023

P/N
AIT02304
xx=number of poles
2025/08/25
Version: AJ

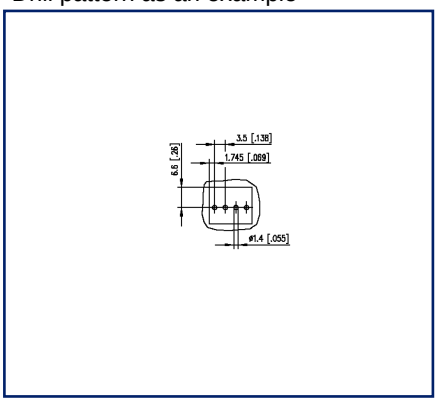
Illustrations



Dimensional drawing as an example



Drill pattern as an example



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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Phone +49 7702 533-0 | Fax +49 7702 533-433
Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

Data sheet
IT023xxHDNU AIT023

P/N
AIT02304
xx=number of poles
2025/08/25
Version: AJ

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	4 kV	4 kV	4 kV
Terminal data			
rat.wiring solid AWGmax	0.2 mm² - 0.34 mm² / AWG 24 - AWG 22		
rat.wiring strand.AWGmax	0.2 mm² - 0.34 mm² / AWG 24 - AWG 22		
Approvals			
c UL us V / A / AWG	150 / 2.5 / 24 - 22		
approval UL - File No.	E121004		
SEV	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

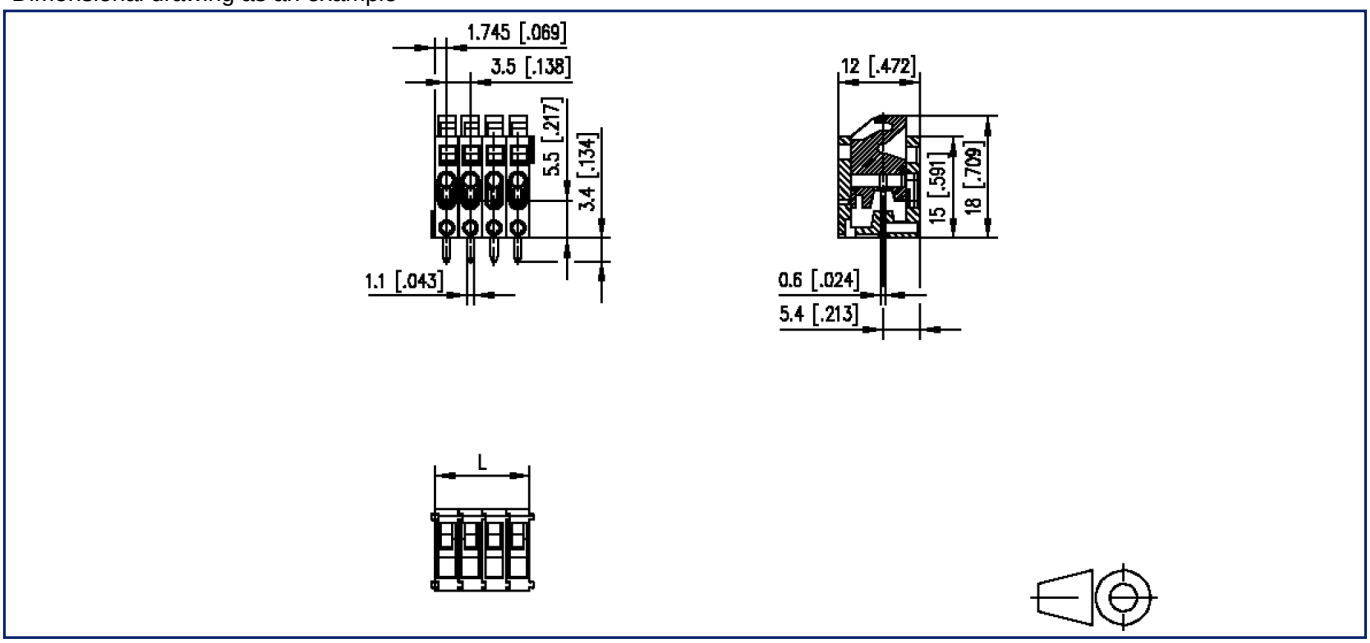
Application note

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.).

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Illustrations

Dimensional drawing as an example



L=(pole size - 1) x centerline + 3.5 mm [0.138]

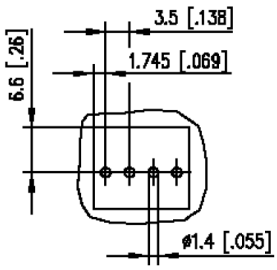
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Data sheet
IT023xxHDNU AIT023

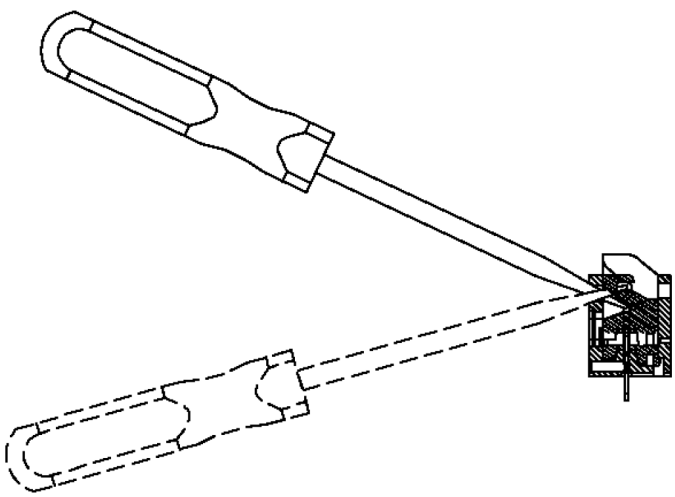
P/N
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Illustrations

Drill pattern as an example



Application example



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