

Data sheet

PT045xxHBEC Type 029

Page 1/6

P/N
310291xx

xx=number of poles

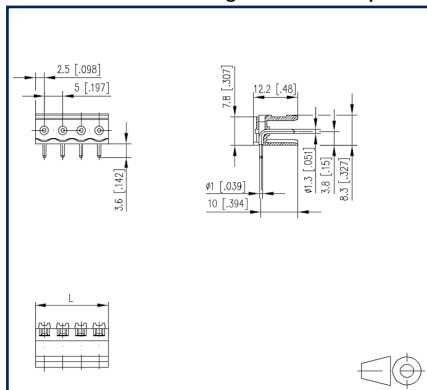
2025/08/21

Version: Z

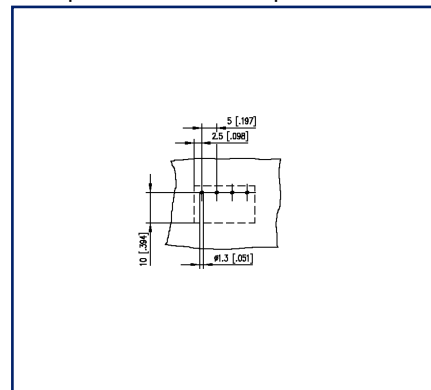
Illustrations



Dimensional drawing as an example



Drill pattern as an example



See enlarged drawings at the end of document

Product specification

- pin header, solderable
- centerline 5.00 mm, direction of connection 90°
- open ends, fittable without loss of poles
- color black



Data sheet

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Page 2/6

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Version: Z

Technical Data

General Data

Solder pin length	3.6 mm		
min. number of poles	2		
max. number of poles	22		
Insulating material class	CTI 600		
clearance/creepage dist.	3.7 mm		
Protection category	IP00		
Rated current	10 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	630 V	630 V
Rated test voltage	4 kV	4 kV	4 kV

Approvals



300 / 10

approval UL - File No.

E121004



250 V / 4 kV / 10 A / 1.0 mm

Material

insulating material	PA66
flammability class	V0
contact pin material	CuZnPb
contact pin surface	Ni + Ag
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

general

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

Application note



Data sheet

Page 3/6

PT045xxHBEC Type 029

P/N

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2025/08/21

Version: Z

Technical Data

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

Page 4/6

PT045xxHBEC Type 029

P/N

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2025/08/21

Version: Z

Counterpart of

P/N	Designation
310091	RP015xxWBWC Type 009
310101	RP015xxWBNC Typ 010
310131	RP035xxIBLN Type 013
310261	FT085xxVBFC Type 026
310491	RP015xxWBLC Type 049



Data sheet

PT045xxHBEC Type 029

Page 5/6

P/N

310291xx

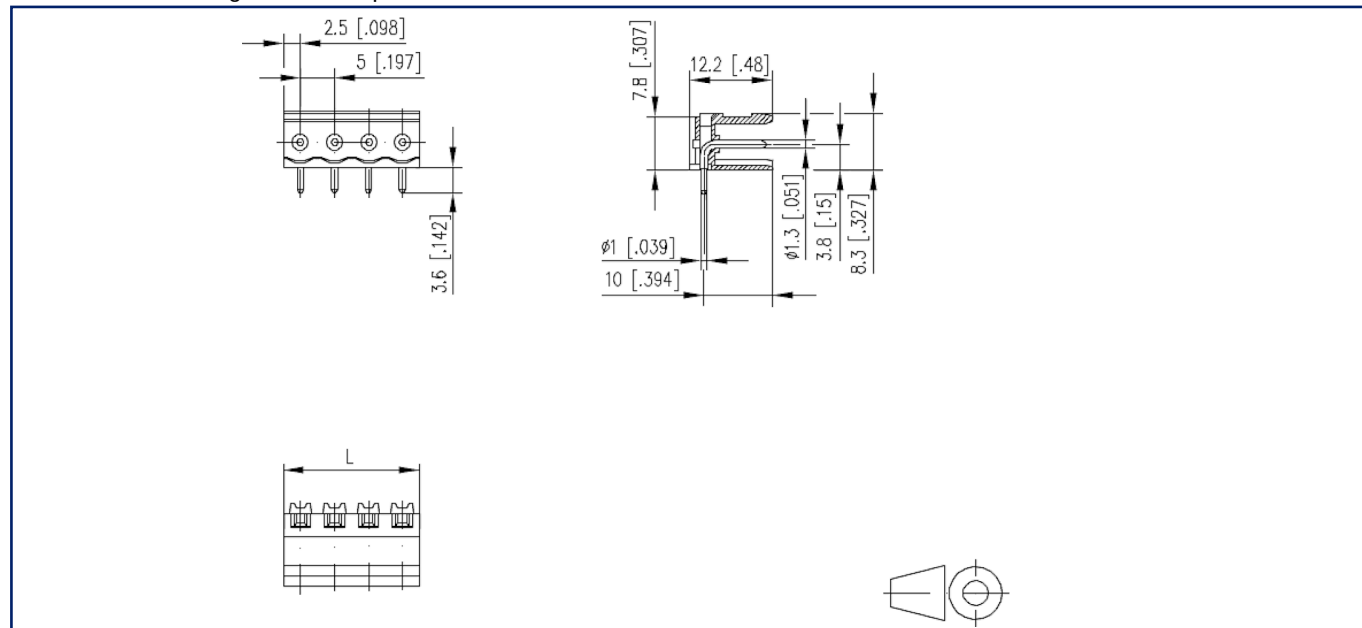
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Illustrations

Dimensional drawing as an example



$L = (\text{pole size} - 1) \times \text{centerline} + 5 \text{ mm}$ [.197]

Data sheet PT045xxHBEC Type 029

Page 6/6

P/N
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2025/08/21

Version: Z

Illustrations

Drill pattern as an example

