

Data sheet

PT116xxVBBF Type 235

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P/N
312351xx

xx=number of poles

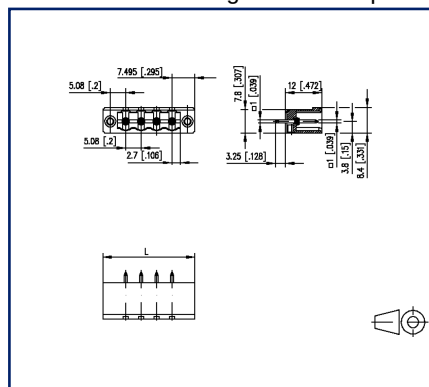
2025/08/22

Version: AB

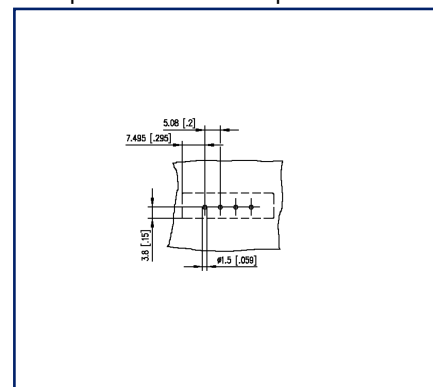
Illustrations



Dimensional drawing as an example



Drill pattern as an example



See enlarged drawings at the end of document

Product specification

- pin header, solderable
- centerline 5.08 mm, direction of connection vertical 0°
- closed ends
- color black, mounting flange
- codeable



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Technical Data

General Data

Solder pin length	3.25 mm		
min. number of poles	2		
max. number of poles	24		
Insulating material class	CTI 600		
clearance/creepage dist.	4.08 mm		
Protection category	IP00		
Rated current	10 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	320 V	800 V	800 V
Rated test voltage	6 kV	6 kV	6 kV

Approvals



300 / 15

approval UL - File No.

E121004



320 V / 4 kV / 13.5 A / 1.0 x 1.0 mm

Material

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



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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.).



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Accessories

P/N	Designation
700024-01-9	Coding star white
700523-0157	Geh_Kappe_swg_Block



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Counterpart of

P/N	Designation
312171	RP036xxHBLF Type 217
312181	RP036xxHBLS Type 218
312511	RP016xxVBLF Type 251
SP066XXVBNF	SP066xxVBNF
SP066XXVBPF	SP066xxVBPF



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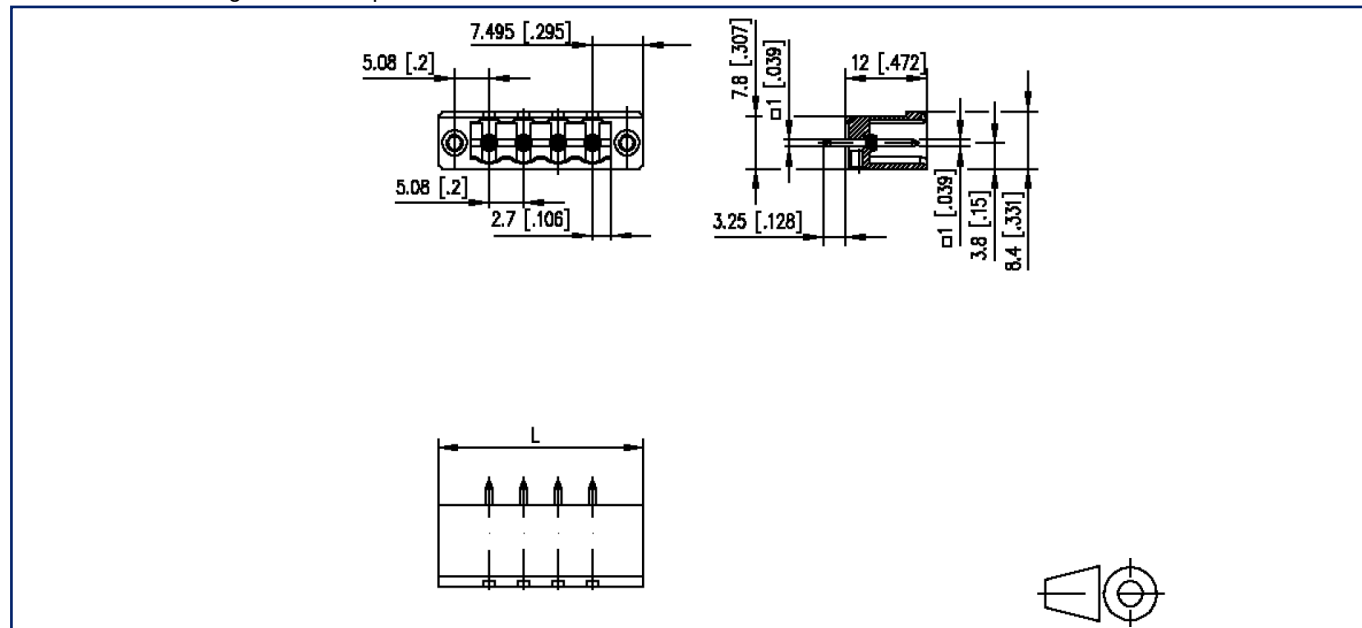
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Illustrations

Dimensional drawing as an example



$L = (\text{pole size} - 1) \times \text{centerline} + 14.99 \text{ mm} [0.59]$



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Drill pattern as an example

