## Data sheet ST135xxDDNC AST135

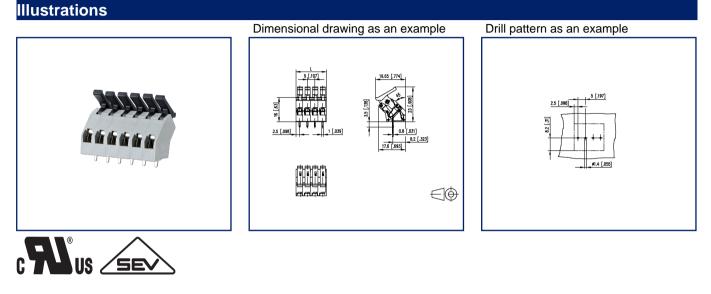


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#### P/N AST135xx04

#### xx=number of poles 2025/05/05

Version: K



See enlarged drawings at the end of document

#### **Product specification**

- spring clamp terminal block, solderable
- centerline 5.00 mm, direction of connection 45°
- fittable without loss of poles
- color gray
- eccentric lever





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### P/N AST135xx04

#### xx=number of poles 2025/05/05

Version: K

recinical Data	Technica	l Data
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Solder pin length  3.5 mm    min. number of poles  1    max. number of poles  24    Insulating material class  CTI 600    clearance/creepage dist.  4 mm    Protection category  IP20    Insul. strip length  6 mm    Rated current  19 A    Overvoltage category  III  II    Pollution degree  3  2  2    Rated voltage  160 V  400 V  400 V    Rated voltage  160 V  400 V  400 V    Rated voltage  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data    ret. wiring solid AWGmax <td< th=""><th>General Data</th><th></th><th></th><th></th></td<>	General Data						
max. number of poles    24      Insulating material class    CTI 600      clearance/creepage dist.    4 mm      Protection category    IP20      Insul. strip length    6 mm      Rated current    19 A      Overvoltage category    III    II      Pollution degree    3    2    2      Rated voltage    160 V    400 V    400 V      Rated voltage    160 V    400 V    400 V      Rated voltage    660 V    400 V    400 V      Rated voltage    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      rat.wining strand.AWGmax    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      rat.wining strand.AWGmax    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      approvals	Solder pin length	3.5 mm					
Insulating material class  CTI 600    clearance/creepage dist.  4 mm    Protection category  IP20    Insul. strip length  6 mm    Rated current  19 A    Overvoltage category  III  II    Pollution degree  3  2  2    Rated voltage  160 V  400 V  400 V    Rated voltage  160 V  400 V  4 kV    Rated voltage  160 V  400 V  4 kV    Rated voltage  160 V  400 V  4 kV    Rated voltage  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal data  Terminal data    rat. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal stand.AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  Terminal stand.AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    approval UL - File No.  E121004  E121004  Terminal stand  Terminal stand    misulating material  PA66  File Mole  Terminal stand  Terminal stand    file Mathibility class  V0  Spring steel  Soning steel  Soning steel  S	min. number of poles	1	1				
clearance/creepage dist.  4 mm    Protection category  IP20    Insul. strip length  6 mm    Rated current  19 A    Overvoltage category  III  II    Pollution degree  3  2  2    Rated voltage  160 V  400 V  400 V    Rated voltage  160 V  400 V  400 V    Rated voltage  160 V  4 kV  4 kV    Terminal data	max. number of poles	24	24				
Protection category    IP20      Insul. strip length    6 mm      Rated current    19 A      Overvoltage category    III    III    II      Pollution degree    3    2    2      Rated voltage    160 V    400 V    400 V      Rated voltage    160 V    400 V    400 V      Rated voltage    160 V    4 kV    4 kV      Terminal data    2    2    2      rat. wiring solid AWGmax    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      Approvals    0.2 mm² - 2.5 mm² / AWG 28 - AWG 12    2      ApprovaluL - File No.	Insulating material class	CTI 600					
Insul. strip length  6 mm    Rated current  19 A    Overvoltage category  III  III  II    Pollution degree  3  2  2    Rated voltage  160 V  400 V  400 V    Rated voltage  160 V  400 V  4kV    Rated test voltage  4 kV  4 kV  4 kV    Terminal data  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  T    rat. wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  T    rat. wiring strand.AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  T    rat. wiring strand.AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  T    sporovals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  T <b>Approvals</b> 0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  T    approval UL - File No.  E121004  T  T <b>Material</b> 160 V / 4 kV / 19 A  T  T    insulating material  PA66  T  T    flammability class  V0  S  T  T    contact surface  Sn  Sn  S  S    Glow-Wire Flammability	clearance/creepage dist.	4 mm					
Rated current  19 Å    Overvoltage category  III  III  II    Pollution degree  3  2  2    Rated voltage  160 V  400 V  400 V    Rated test voltage  160 V  400 V  400 V    Rated test voltage  4 kV  4 kV  4 kV    Terminal data	Protection category	IP20					
Overvoltage categoryIIIIIIIIIIIPollution degree322Rated voltage160 V400 V400 VRated voltage4 kV4 kV4 kVRated test voltage4 kV4 kV4 kVTerminal dataTrat.wiring solid AWGmax $0.2 \text{ rm}^2 \cdot 2.5 \text{ rm}^2 / AWG 28 - AWG 12$	Insul. strip length	6 mm	6 mm				
Pollution degree  3  2  2    Rated voltage  160 V  400 V  400 V    Rated test voltage  4 kV  4 kV  4 kV    Terminal data  4 kV  4 kV  4 kV    Terminal data  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    rat.wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  300 / 13 / 28 - 12  100 V    Approval UL - File No.  E121004  160 V / 4 kV / 19 A    Material  No  160 V / 4 kV / 19 A  100 V    Insulating material  PA66  100 V  100 V    farmability class  V0  100 V  100 V  100 V    spring material  CuSn  100 V  100 V  100 V    Glow-Wire Flammability GWFI	Rated current	19 A	19 A				
Rated voltage  160 V  400 V  400 V    Rated test voltage  4 kV  4 kV  4 kV    Terminal data  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    rat.wiring solid AWGmax  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approvals  0.2 mm² - 2.5 mm² / AWG 28 - AWG 12  100 V    Approval UL - File No.  E121004  100 V    Approval UL - File No.  E121004  160 V / 4 kV / 19 A    Material  160 V / 4 kV / 19 A  100 V    Insulating material  PA66  100 V    flammability class  V0  100 V    spring material  CuSn  100 V    Contact surface  Sn  100 °C acc. to IEC 60695-2-12    Glow-Wire Flammability GWFI  960 °C acc. to IEC 60695-2-13  100 V    Climatic Da	Overvoltage category	III	III	II			
Rated test voltage  4 kV  4 kV  4 kV  4 kV    Terminal data	Pollution degree	3	2	2			
Terminal datarat.wiring solid AWGmax0.2 mm² - 2.5 mm² / AWG 28 - AWG 12rat.wiring strand.AWGmax0.2 mm² - 2.5 mm² / AWG 28 - AWG 12Approvalscolspan="2">V/A / AWGapproval UL - File No.E121004colspan="2">Materialmsulating materialPA66flammability classV0spring materialSpring steelcontact materialCuSnContact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Climatic Dataupper limit temperatureupper limit temperature105 °C	Rated voltage	160 V	400 V	400 V			
rat.wiring solid AWGmax0.2 mm² - 2.5 mm² / AWG 28 - AWG 12rat.wiring strand.AWGmax0.2 mm² - 2.5 mm² / AWG 28 - AWG 12ApprovalsImport 2 - 2.5 mm² / AWG 28 - AWG 12Import 2 Import 2 Impor	Rated test voltage	4 kV	4 kV	4 kV			
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Approvals    Image: Symposition of Sympositic of Symposit	rat.wiring solid AWGmax	0.2 mm² - 2.5	0.2 mm² - 2.5 mm² / AWG 28 - AWG 12				
No.300 / 13 / 28 - 12approval UL - File No.E121004Image: Strain S	rat.wiring strand.AWGmax	0.2 mm² - 2.5	0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> / AWG 28 - AWG 12				
approval UL - File No. E121004 Contential Insulating material PA66 flammability class V0 spring material Spring steel contact material CuSn Contact surface Sn Glow-Wire Flammability GWFI 960 °C acc. to IEC 60695-2-12 Glow-Wire Flammability GWIT 775 °C acc. to IEC 60695-2-13 CImatic Data USS N upper limit temperature 105 °C	Approvals						
MaterialPA66flammability classV0spring materialSpring steelcontact materialCuSnContact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Limatic Dataupper limit temperature105 °C	CAUS V/A/AWG	300 / 13 / 28 - 12					
Materialinsulating materialPA66flammability classV0spring materialSpring steelcontact materialCuSnContact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Upper limit temperature105 °C	approval UL - File No.	E121004	E121004				
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flammability classV0spring materialSpring steelcontact materialCuSnContact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Climatic Dataupper limit temperature105 °C	Material						
spring materialSpring steelcontact materialCuSnContact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Climatic Dataupper limit temperature105 °C	insulating material	PA66					
contact materialCuSnContact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Climatic Dataupper limit temperature105 °C	flammability class	VO					
Contact surfaceSnGlow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Climatic Dataupper limit temperature105 °C	spring material	Spring steel					
Glow-Wire Flammability GWFI960 °C acc. to IEC 60695-2-12Glow-Wire Flammability GWIT775 °C acc. to IEC 60695-2-13Climatic Dataupper limit temperature105 °C	contact material	CuSn					
Glow-Wire Flammability GWIT  775 °C acc. to IEC 60695-2-13    Climatic Data  105 °C	Contact surface	Sn	Sn				
Climatic Data upper limit temperature 105 °C	Glow-Wire Flammability GWFI	960 °C acc. to	960 °C acc. to IEC 60695-2-12				
upper limit temperature 105 °C	Glow-Wire Flammability GWIT	775 °C acc. to	775 °C acc. to IEC 60695-2-13				
	Climatic Data						
lower limit temperature -40 °C	upper limit temperature	105 °C	105 °C				
	lower limit temperature	-40 °C					



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## Data sheet ST135xxDDNC AST135



We realize ideas

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P/N AST135xx04

xx=number of poles 2025/05/05 Version: K

### Technical Data

**general** 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.).





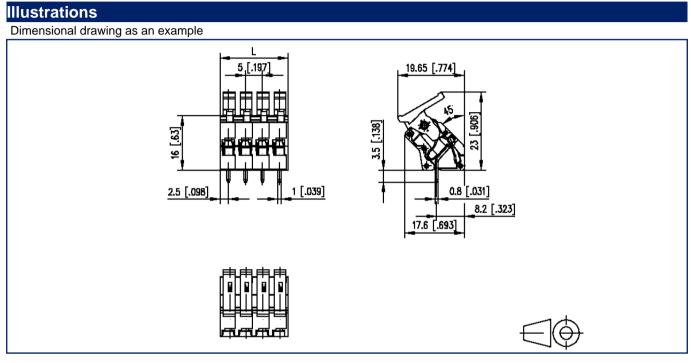
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#### P/N AST135xx04

xx=number of poles 2025/05/05 Version: K



L=(pole size - 1) x centerline + 5 mm [0.197]





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xx=number of poles 2025/05/05 Version: K



