

Data Sheet

2565 Appliance Inlet

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1 General Description

General :

The 2565 series are appliance inlet 7A 125VAC and 2.5A 250VAC, protection class I, for pin temperature max. 70°C and snap-in mounting for a suitable panel thickness of 1.0 – 3.0mm.

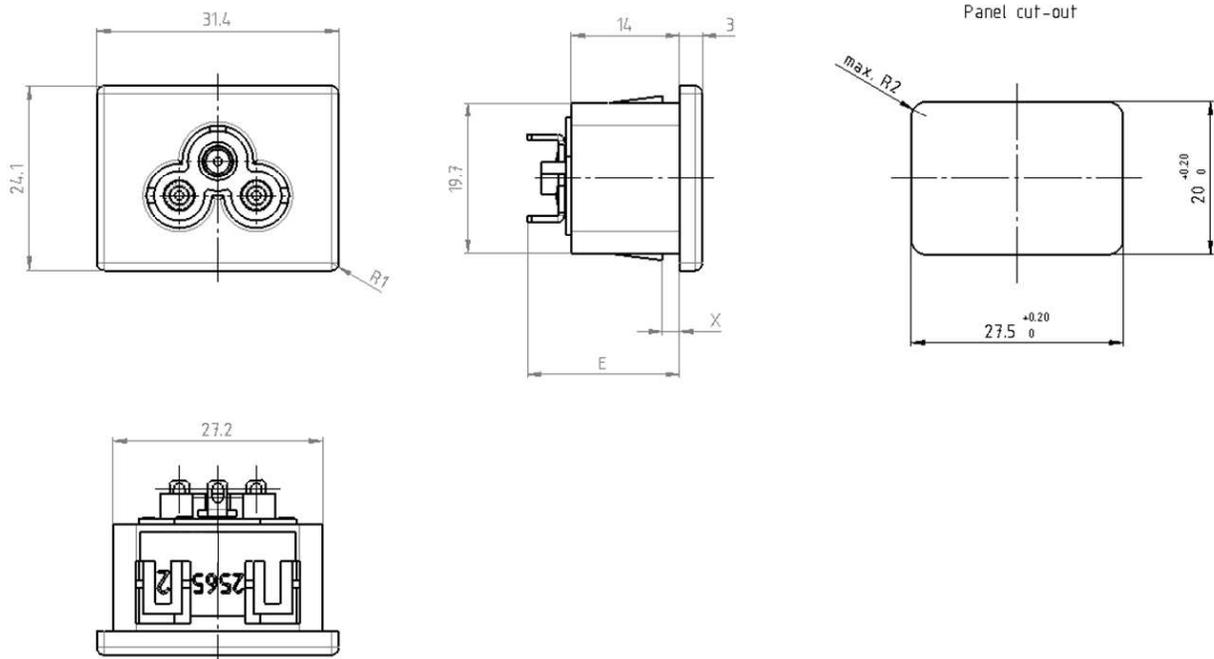
The appliance inlet meets the following standards:

IEC / EN 60320-1 standard sheet C6 (class I),
UL 60320-1 standard sheet C6 (class I),
CSA C22.2 No.60320-1 standard sheet C6 (class I).

Protection class I (L / N / PE)

2 Dimensions

Type 2565



Panel thickness: X = 1.0 / 1.5 / 2.0 / 2.5 / 3.0 mm

E = Solder terminal short	19.70 mm
E = Solder terminal long	23.40 mm
E = Quick-connect terminal 2.8x0.8mm	25.70 mm
E = Quick-connect terminal 4.8x0.8mm	24.20 mm

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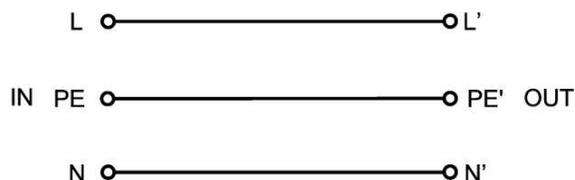
3 Electrical Data

3.1 General :

Rated voltage Un	125 / 250 V AC	50 / 60 Hz
Rated current In	2.5 A ; 2.5 A, 7A	
Insulation resistance (500 V DC ; 1 min.)	> 1000 MΩ > 1000 MΩ	between live parts of different potentials between protective conductor PE and live parts
Dielectric strength (50 Hz ; 1 min.)	> 2.5 kV > 3 kV	between live parts of different potentials. (Protection class I and II) between protective conductor PE and live parts. (Protection class I)
Overvoltage category	I - III	according to IEC 60664-1
Creepage and creepage distances	> 3 mm > 4 mm	between live parts of different potentials between protective conductor PE and live parts
Pollution degree	1 - 3	according to IEC60664-1
Protection class (Protection against electric shock)	Suitable for appliances of protection class I, acc. to IEC 61140 respectively acc. to VDE 0106 / part 1	

3.2 Diagrams

Type 2565



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4 Mechanical Data

4.1 Mounting :

The appliance inlet type 2565 is suitable for snap-in mounting from the front side for a panel thickness of 1.0-3.0mm.

Connection takes place either with quick-connect terminals 4.8x0.8mm or 2.8x0.8mm or solder terminals

4.2 Terminals :

L / N and protective conductor PE Quick-connect terminals 4.8x0.8mm or 2.8x0.8mm acc. to IEC 61210 or solder terminals

Solderability
Quick-connect terminals and solder terminals 350° C / 2s acc. to IEC 60068-2-20, test Ta method 2

Resistance to soldering heat
Quick-connect terminals and solder terminals 350°C / 10s acc. to IEC 60068-2-20, test Tb method 2

4.3 Packing and weight :

Original packing 100 pcs.
Net weight gr. per 1 pcs. 9.2 gr (Type 2565)

5 Materials

Socket* Type PA 6/66 polyamide
Flame class UL94 V-0 (≥0.4 mm thick)
Comparative tracking index CTI 600 V
Temp. -index RTI, electr. 120° C
Index oxygen LOI >35 %
UL File-no. E41871

Live parts Copper alloy, protected against corrosion.

*Comply to EN 60335-1 (Household and similar electrical appliances) for unattended appliances, which requires enhanced GWFI (Glow-Wire-Flammability-Index) IEC 60695-2-12 and GWIT (Glow-Wire-Ignition-Temperature) IEC 60695-2-13

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6 Environmental Condition

6.1 Temperatures

Storage temperature:	- 40°C up to + 85°C
Ambient temperature:	- 25°C up to + 25°C , but occasionally reaching +35°C
Operating temperature:	- 25°C up to + 70°C
Climatic category:	25 / 085 / 21 according to IEC 60068-1

6.2 Vibration and shock resistance :

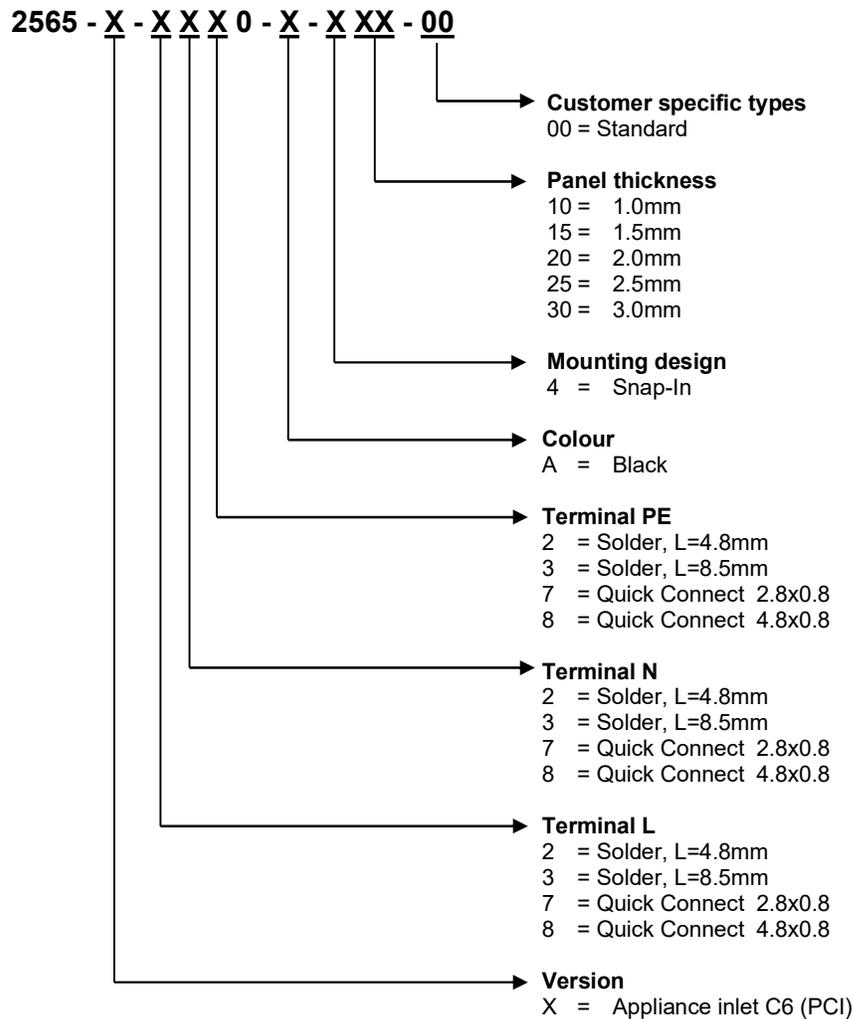
Resistance to vibration according to IEC 60068-2-6	Test Fc ; Frequency range 10 - 500 Hz, cross-over frequency 60 Hz < 60 Hz constant amplitude of 0.75mm > 60 Hz constant acceleration of 10 g
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7 Approvals

Country	Certification Body	Type	Mark	File no.
Europe	VDE	ENEC Mark		40034393
U.S.A. / Canada	UL	Certification / Recognition		E96454

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8 Configuration Code



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