

# Data Sheet

## 2573 Appliance Inlet

### CONTENT

|          |                                                                                                              |                                     |
|----------|--------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>1</b> | <b>GENERAL DESCRIPTION .....</b>                                                                             | <b>2</b>                            |
| <b>2</b> | <b>DIMENSIONS .....</b>                                                                                      | <b>2</b>                            |
| <b>3</b> | <b>ELECTRICAL DATA .....</b>                                                                                 | <b>4</b>                            |
| 3.1      | GENERAL .....                                                                                                | 4                                   |
| 3.2      | DIAGRAMS .....                                                                                               | 4                                   |
| <b>4</b> | <b>MECHANICAL DATA.....</b>                                                                                  | <b>4</b>                            |
| 4.1      | MOUNTING .....                                                                                               | 4                                   |
| 4.2      | TERMINALS .....                                                                                              | 5                                   |
| 4.3      | WITHDRAWAL FORCE ( <i>ONLY FOR APPLIANCE OUTLETS AND CONNECTORS</i> ) .. <b>ERROR! BOOKMARK NOT DEFINED.</b> |                                     |
| 4.4      | PACKING AND WEIGHT .....                                                                                     | 5                                   |
| <b>5</b> | <b>MATERIALS.....</b>                                                                                        | <b>5</b>                            |
| <b>6</b> | <b>ENVIRONMENTAL CONDITION.....</b>                                                                          | <b>5</b>                            |
| 6.1      | TEMPERATURES.....                                                                                            | 5                                   |
| 6.2      | VIBRATION AND SHOCK RESISTANCE .....                                                                         | <b>ERROR! BOOKMARK NOT DEFINED.</b> |
| 6.3      | DEGREE OF PROTECTION .....                                                                                   | <b>ERROR! BOOKMARK NOT DEFINED.</b> |
| <b>7</b> | <b>APPROVALS .....</b>                                                                                       | <b>6</b>                            |
| <b>8</b> | <b>CONFIGURATION CODE .....</b>                                                                              | <b>7</b>                            |

| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |        |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|--------|-----------|
| owner                 | creation date | release date | released by | change order | rev                             | page   | 0105.1977 |
| sariogar              | 25.03.2025    | 26.03.2025   | sariogar    | 2029245      | F                               | 1 of 7 |           |

## 1 General Description

The 2573 series is appliance inlet 2.5A, protection class II, for pin temperature max. 70°C and screw or rivet mounting.

The appliance inlet meets the following standards:

IEC / EN 60320-1

UL 60320-1

CSA C22.2 No.60320-1

standard sheet C8 (class II),

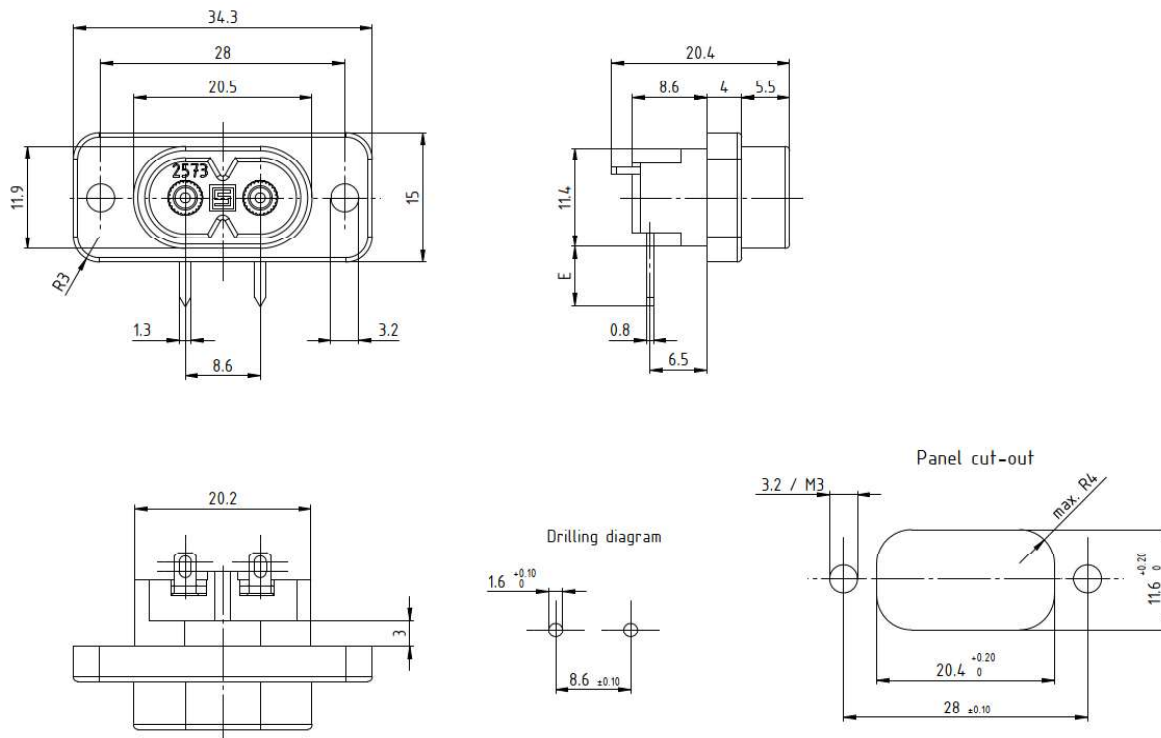
standard sheet C8 (class II),

standard sheet C8 (class II).

Protection class II ( L / N ) according to IEC 61140

## 2 Dimensions

Type 2573 with PCB terminal, additional solder terminal in orientation **A** (Horizontal)



E= PCB terminal standard (additional solder) 6.90 mm

E= PCB terminal short (additional solder) 0.60 mm

E= PCB terminal long (additional solder) 15.90 mm

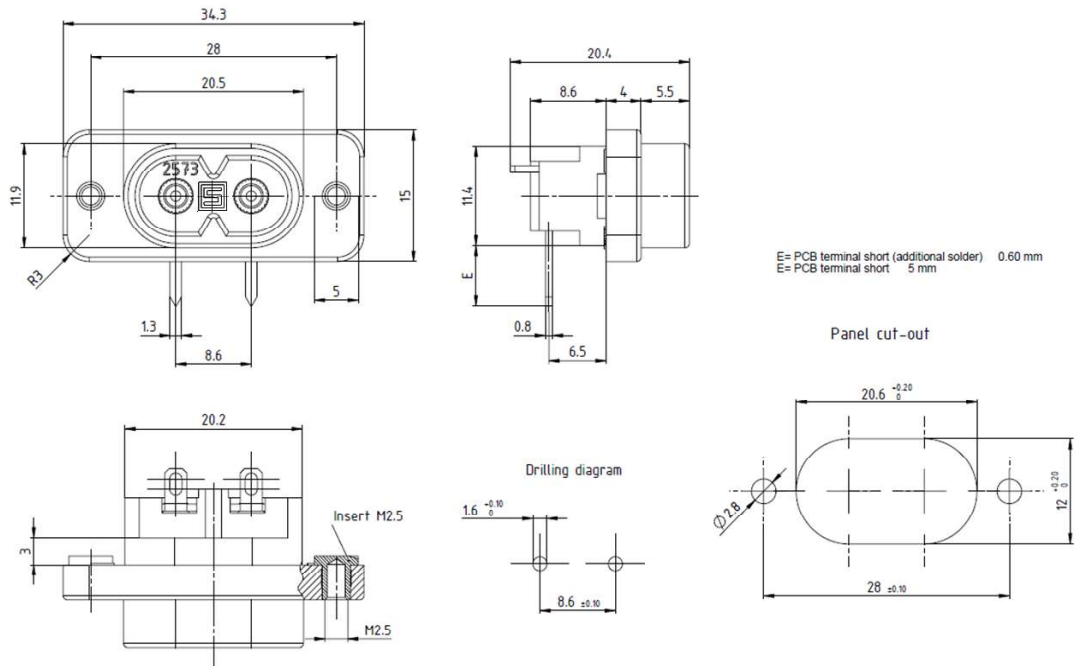
E= PCB terminal standard 6.60 mm

E= PCB terminal short 5 mm

E= PCB terminal long 7.70 mm

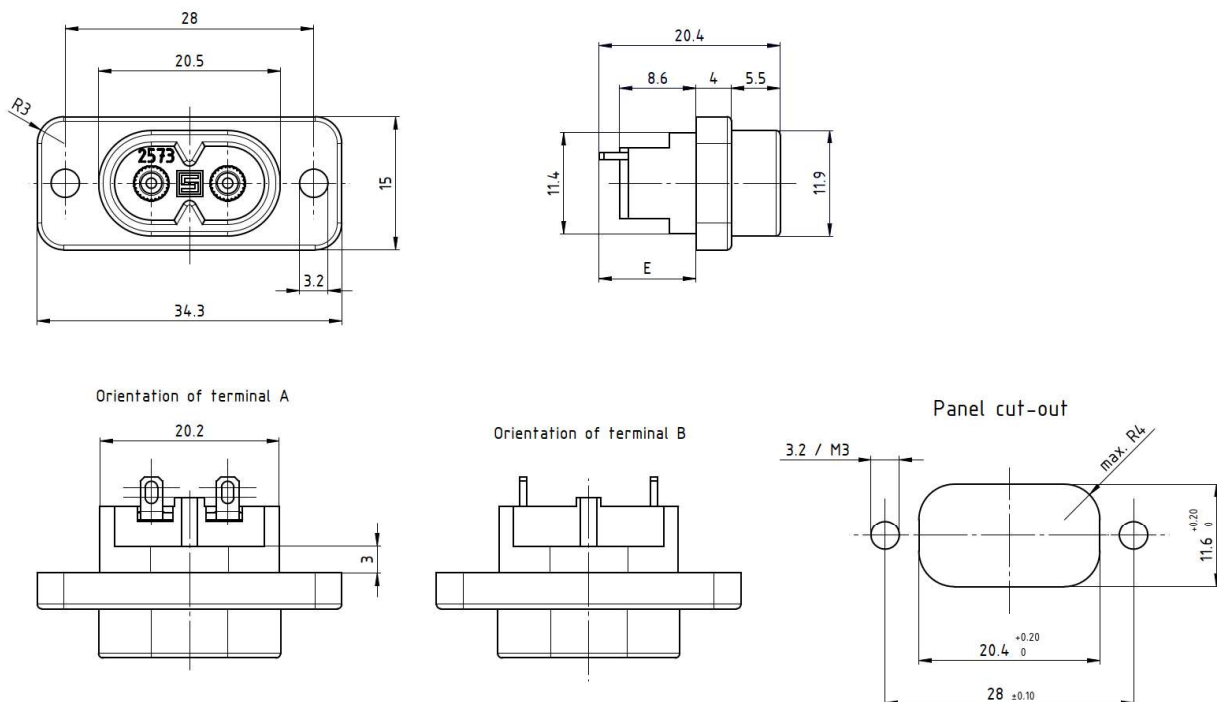
| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |        |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|--------|-----------|
| owner                 | creation date | release date | released by | change order | rev                             | page   | 0105.1977 |
| sariogar              | 25.03.2025    | 26.03.2025   | sariogar    | 2029245      | F                               | 2 of 7 |           |

Type 2573 with PCB terminal, additional solder terminal in orientation **A** (Horizontal) and screw-on mounting with insert nut



E= PCB terminal short (additional solder) 0.60 mm  
E= PCB terminal short 5 mm

Type 2573 with Quick Connect or solder terminal in orientation **A** (Horizontal) and **B** (Vertical)



E = Solder terminal short 11 mm  
E = Solder terminal long 14.70 mm (Only orientation B)  
E = Quick-connect terminal 2.8x0.8 mm 17 mm

| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |        |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|--------|-----------|
| owner                 | creation date | release date | released by | change order | rev                             | page   | 0105.1977 |
| sariogar              | 25.03.2025    | 26.03.2025   | sariogar    | 2029245      | F                               | 3 of 7 |           |

E = Quick-connect terminal 4.8x0.8 mm 15.50 mm (Only orientation B)

### 3 Electrical Data

#### 3.1 General

|                                                                         |                                                                                                                                                                                                                     |                                                                                                                                                                      |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage Un                                                        | 125 / 250 V AC 50 / 60 Hz                                                                                                                                                                                           |                                                                                                                                                                      |
| Rated current In                                                        | 2.5A 250 V ~ ; <br>7A 125 V ~ ; 2.5A 250 V ~ ;  |                                                                                                                                                                      |
| Insulation resistance<br>(500 V DC ; 1 min.)<br>Fulfil IEC 60320-1:2015 | > 10 <sup>3</sup> MΩ<br>> 10 <sup>3</sup> MΩ                                                                                                                                                                        | between live parts of different potentials<br>between protective conductor PE and live parts                                                                         |
| Dielectric strength<br>(50 Hz ; 1 min.)<br>Fulfil IEC 60320-1:2015      | > 2.5 kV<br>> 3 kV                                                                                                                                                                                                  | between live parts of different potentials.<br>between outside body and all current carrying parts with no greater than 0.4mA leakage current. (Protection class II) |
| Overvoltage category<br>according to IEC 60664-1:2007                   | III                                                                                                                                                                                                                 |                                                                                                                                                                      |
| Creepage and creepage<br>Distances                                      | > 3 mm                                                                                                                                                                                                              | between live parts of different potentials                                                                                                                           |
| Pollution degree<br>according to IEC60664-1:2007                        | 3                                                                                                                                                                                                                   |                                                                                                                                                                      |
| Protection class<br>acc. to IEC 61140:2001                              | Suitable for appliances of protection class II.                                                                                                                                                                     |                                                                                                                                                                      |

#### 3.2 Diagrams



### 4 Mechanical Data

#### 4.1 Mounting

The appliance inlet type 2573 is suitable for screw or rivet mounting from the front side of panel.  
The version with insert nuts is intended for rear mounting.

Connection takes place either with quick-connect terminals, solder terminals or PCB terminals.

| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |        |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|--------|-----------|
| owner                 | creation date | release date | released by | change order | rev                             | page   | 0105.1977 |
| sariogar              | 25.03.2025    | 26.03.2025   | sariogar    | 2029245      | F                               | 4 of 7 |           |

## 4.2 Terminals

|                                   |                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| L / N and protective conductor PE | Quick-connect terminals 2.8x0.8 mm or 4.8x0.8 mm<br>acc. to IEC 61210,<br>Solder terminals or PCB terminals. |
| Solderability                     |                                                                                                              |
| PCB terminals                     | 245° C / 3s acc. to IEC 60068-2-20, test Ta method 1                                                         |
| Solder terminals                  | 350° C / 3s acc. to IEC 60068-2-20, test Ta method 2                                                         |
| Resistance to soldering heat:     |                                                                                                              |
| PCB terminals                     | 260° C / 10s acc. to IEC 60068-2-20, test Tb method 1                                                        |
| Solder terminals                  | 350° C / 10s acc. to IEC 60068-2-20, test Tb method 2                                                        |

## 4.3 Packing and weight

|                           |             |
|---------------------------|-------------|
| 100 pcs.                  |             |
| Net weight gr. per 1 pcs. | 5.2 - 6 gr. |

## 5 Materials

|            |                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Socket     | Type PA 6 polyamide<br>Flame class UL94 V-0 (1mm thick)<br>Comparative tracking index CTI 600 V<br>Temp.-index RTI, electr. 125° C<br>Index oxygen LO I 30 %<br>UL File-no. E86034 |
| Live parts | Copper alloy, protected against corrosion.                                                                                                                                         |

## 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               |

### Vibration and shock resistance

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

| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |        |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|--------|-----------|
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## 7 Approvals

| Country         | Certification Body | Type                        | Mark                                                                               | File no. |
|-----------------|--------------------|-----------------------------|------------------------------------------------------------------------------------|----------|
| Europe          | VDE                | ENEC Mark                   |  | 40034368 |
| U.S.A. / Canada | UL                 | Certification / Recognition |  | E96454   |

| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|-----------|
| owner                 | creation date | release date | released by | change order | rev                             | page      |
| sariogar              | 25.03.2025    | 26.03.2025   | sariogar    | 2029245      | F                               | 6 of 7    |
|                       |               |              |             |              |                                 | 0105.1977 |

## 8 Configuration Code

2573 - X - X X 0 0 - X - X 0 0 X - 00

Customer specific types

Orientation of terminals

A= Horizontal

B= Vertical

Mounting

2= Rivet

7= Screw, with Insert nut M2.5

Colour

A= Black

B= Grey

D= White

Terminal N

1= Solder, L=5mm, with Large Soldering Hole

1)

2= Solder, L=4.8mm

3= Solder, L=8.5mm

4= PCB, with Solder Terminal

27)

5= PCB, Short, with Solder Terminal

27)

6= PCB, Long, with Solder Terminal

27)

7= Quick Connect 2.8x0.8

8= Quick Connect 4.8x0.8

28)

A= PCB

B= PCB, Short

C= PCB, Long

Terminal L

1= Solder, L=5mm, with Large Soldering Hole

1)

2= Solder, L=4.8mm

3= Solder, L=8.5mm

4= PCB, with Solder Terminal

27)

5= PCB, Short, with Solder Terminal

27)

6= PCB, Long, with Solder Terminal

27)

7= Quick Connect 2.8x0.8

8= Quick Connect 4.8x0.8

28)

A= PCB

B= PCB, Short

C= PCB, Long

Version

X= Appliance inlet C8 (PCII)

1) Only on request

27) Orientation A only

28) Orientation B only

| Product Documentation |               |              |             |              | Data Sheet 2573 Appliance Inlet |        |           |
|-----------------------|---------------|--------------|-------------|--------------|---------------------------------|--------|-----------|
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| sariogar              | 25.03.2025    | 26.03.2025   | sariogar    | 2029245      | F                               | 7 of 7 |           |