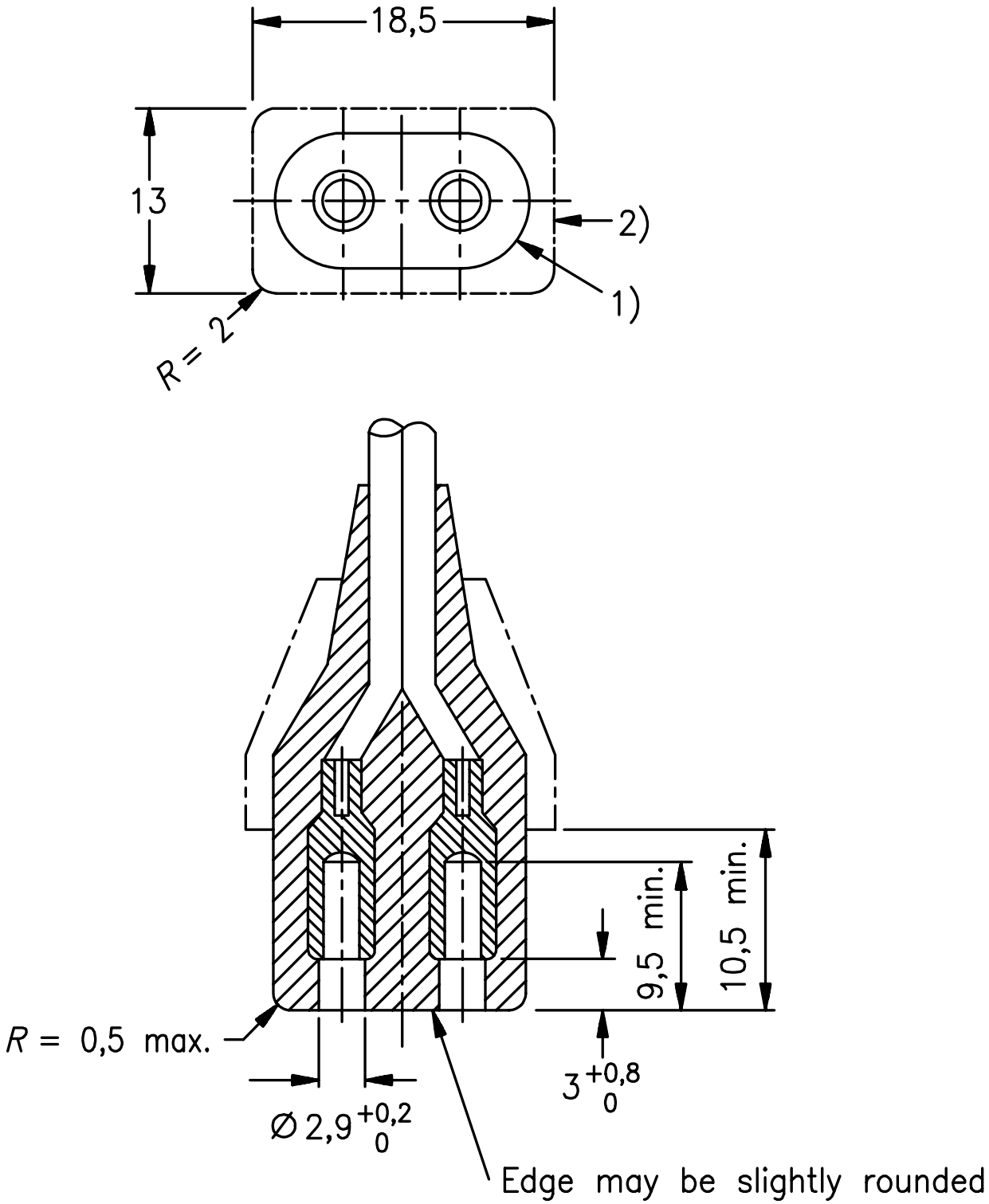


S4674

Dimensions in millimetres

Standard sheet C2
Appliance inlet 0,2 A / 250 V for class II equipment in cold conditions

C2DV D1 ***Modify by replacing the title as follows:***

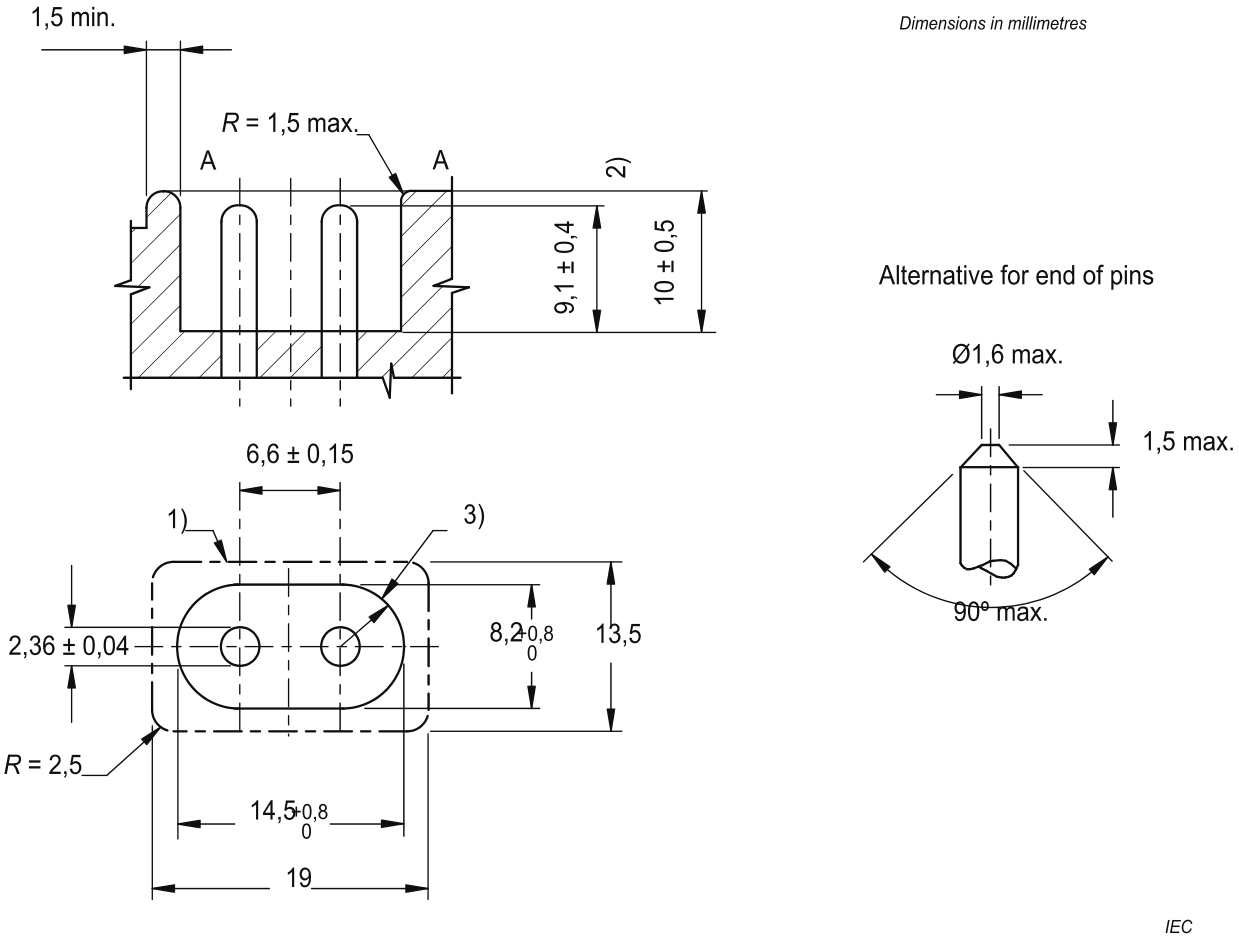
Appliance inlet 0.2 A, 125 V ac, or 250 V ac for class II equipment in cold conditions

The ends of the pins may be spherical or conical of the form shown.

The outline 3) shall be at a distance of 10 mm ± 0,5 mm from the engagement face at the bottom of the inlet. The distance from the engagement face at the bottom of the inlet to plane A-A may, however, be less elsewhere within the area 1). Plane A-A need not necessarily be extended to the outline of area 1). A rim which is slightly rounded on top is allowed around the recess if it has a thickness of at least 1,5 mm. Retaining devices or parts thereof may be within the area 1). No other parts of the inlet may protrude beyond plane A-A.

2) For appliance inlets arranged countersunk in the outer surface of equipment, and if this surface is curved or inclined with respect to the axis of the appliance inlet, this dimension shall be not more than 10,5 mm; the minimum shall be determined by visual inspection.

Dimensions in millimetres



IEC

su0500

Standard sheet C5
Connector for 2,5 A / 250 V for use in class I equipment in cold conditions (non-rewirable only)

C5DV D1 ***Modify by replacing the title as follows:***

Connector for 7 A, 125 V ac, or 2.5 A, 250 V ac for use in class I equipment in cold conditions

The centre distance and the design of the contacts as well as the dimensions and the design of the front part shall be such that:

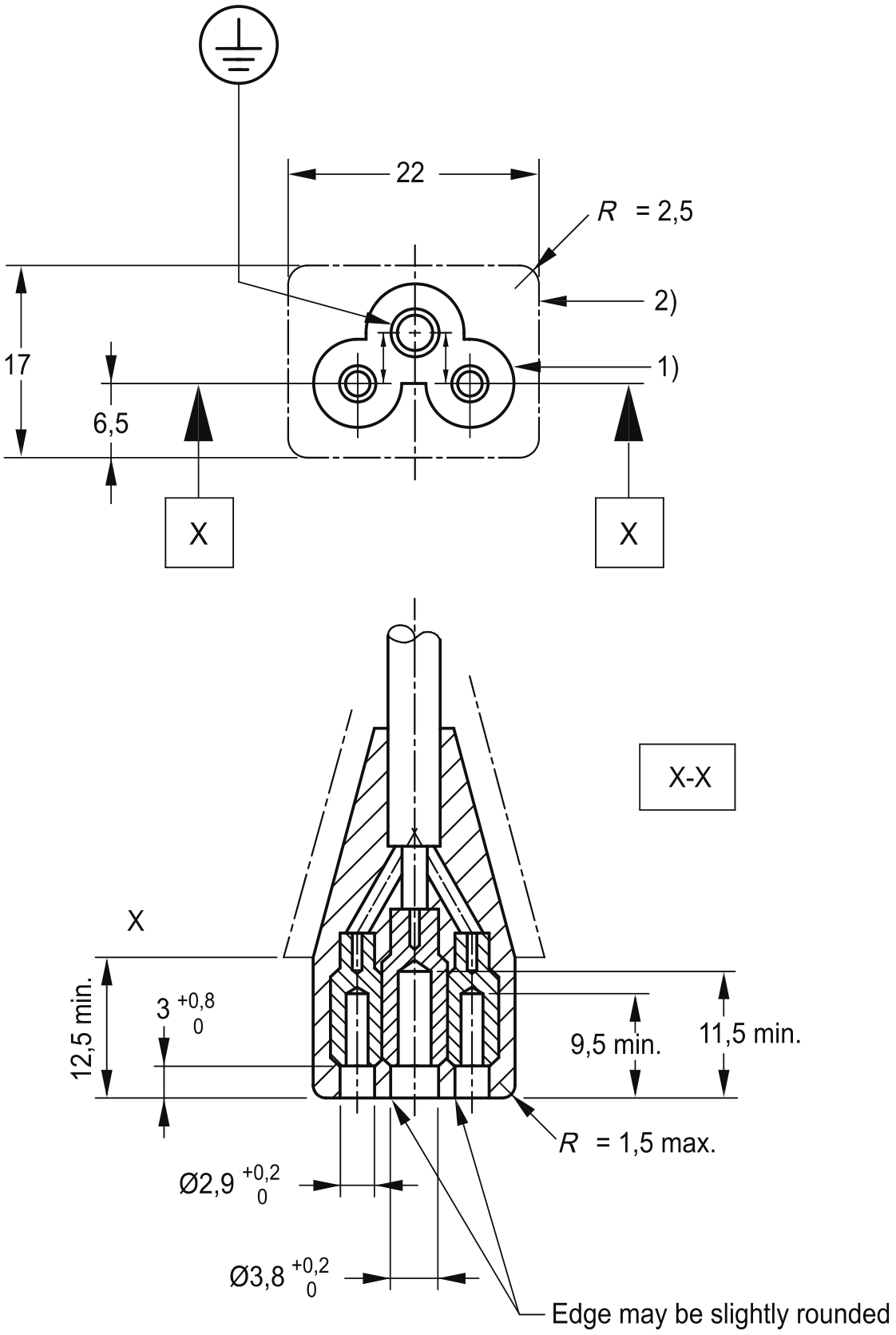
– the connector will enter, to the full depth, the gauge of Figure 3 and will not enter gauges of Figure 7;

– the thickness of the insulation surrounding the contacts is not less than 1,5 mm.

The outline 1) of the front part shall not be exceeded or decreased, at any point, within a distance of 12,5 mm from the engagement face.

The outline 2) of the rear part shall not be exceeded in any section perpendicular to the axis of the connector, except that, for connectors with lateral cord entry and for those combined with other accessories, this limitation does not apply in the direction of the axis of the cord or of the actuating member.

The contacts may be floating.



Dimensions in millimetres

IEC

s4677a

Standard sheet C6
Appliance inlet 2,5 A / 250 V for class I equipment in cold conditions

C6DV D1 ***Modify by replacing the title as follows:***

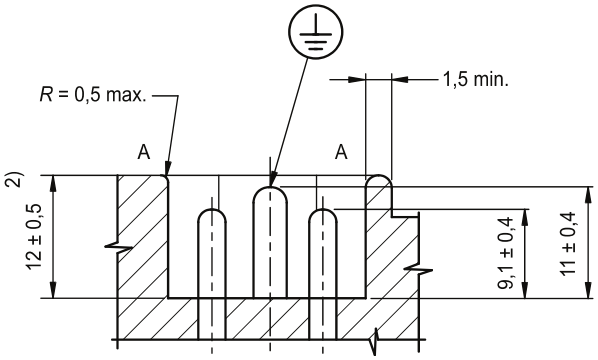
Appliance inlet 7 A, 125 V ac, or 2.5 A, 250 V ac for class I equipment in cold conditions

The ends of the pins may be spherical or conical of the form shown.

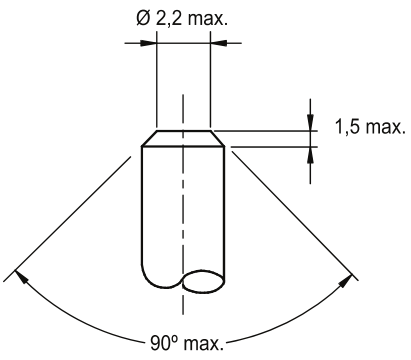
The outline 3) shall be at a distance of 12 mm ± 0,5 mm from the engagement face at the bottom of the inlet. The distance from the engagement face at the bottom of the inlet to plane A-A may, however, be less elsewhere within the area 1). Plane A-A need not necessarily be extended to the outline of area 1). A rim which is slightly rounded on top is allowed around the recess if it has a thickness of at least 1,5 mm. Retaining devices or parts thereof may be within the area 1). No other parts of the inlet may protrude beyond plane A-A.

2) For appliance inlets arranged countersunk in the outer surface of equipment, and if this surface is curved or inclined with respect to the axis of the appliance inlet, this dimension shall be not more than 12,5 mm; the minimum shall be determined by visual inspection.

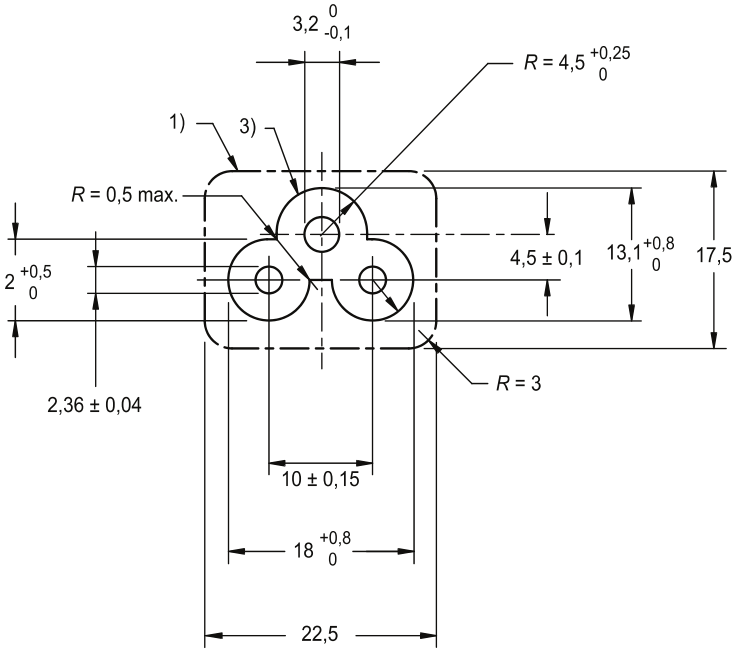
Dimensions in millimetres

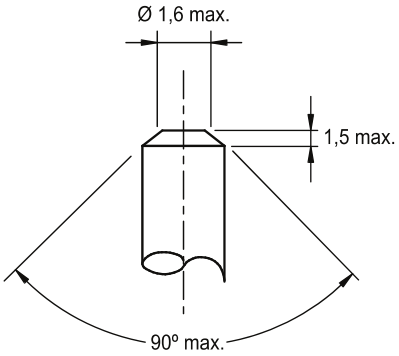


Alternative for end of pins



Earthing pin





Current-carrying pins

su0502a

IEC

Standard sheet C7
Connector for 2,5 A / 250 V for use in class II equipment in cold conditions (non-rewirable only)

C7DV.1 D1 ***Modify by replacing the title as follows:***

Connector for 7 A, 125 V ac, or 2.5 A, 250 V ac for use in class II equipment in cold conditions

The centre distance and the design of the contacts as well as the dimensions and the design of the front part shall be such that

– the connector will enter, to the full depth, the gauge of Figure 4 and Figure 5 and will not enter gauges of Figure 7 and Figure 8;

– the thickness of the insulation surrounding the contacts is not less than 1,5 mm.

The outline 1) of the front part shall not be exceeded or decreased, at any point, within a distance of 16 mm from the engagement face.

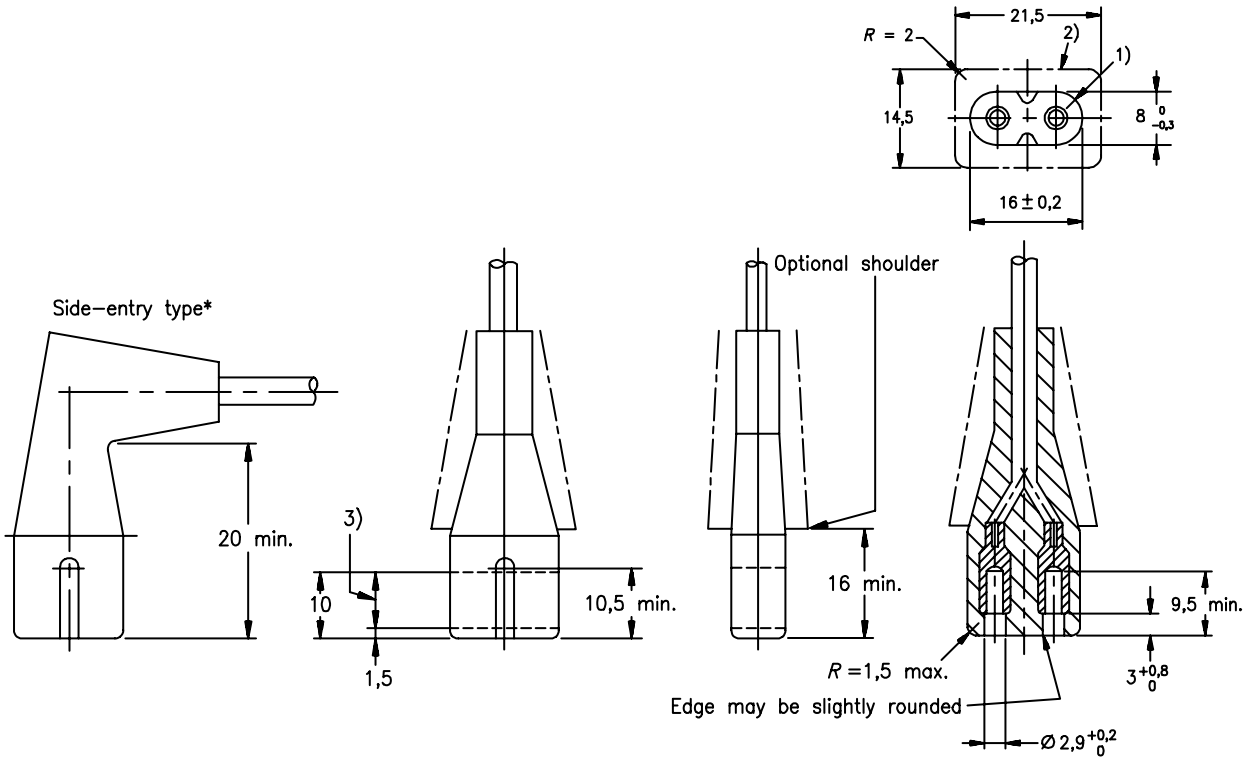
The outline 2) of the rear part shall not be exceeded in any section perpendicular to the axis of the connector, except that, for connectors with lateral cord entry and for those combined with other accessories, this limitation does not apply in the direction of the axis of the cord or of the actuating member.

Within the area 3) the connector shall comply with the requirements of 23.5 of IEC 60320-1:–.

C7DV.2 D1 ***Modify Standard sheet C7 by replacing the fourth paragraph with the following:***

Within the area 3) the connector shall comply with the requirements of 23.5 of CSA-C22.2 No. 60320-1/UL 60320-1.

The contacts may be floating.



S4680

Dimensions in millimetres

This sketch is intended only to indicate the dimension 20 mm min. from the engagement face to the "tail" of the connector. It does not preclude constructions of side-entry connectors in which the axis of the cord is not in the plane through the axial axes of the socket contacts (as shown) but perpendicular to that plane.

Standard sheet C8
Appliance inlet 2,5 A / 250 V for class II equipment in cold conditions

C8DV D1 ***Modify by replacing the title as follows:***

Appliance inlet 7 A, 125 V ac, or 2.5 A, 250 V ac for class II equipment in cold conditions

The ends of the pins may be spherical or conical of the form shown.

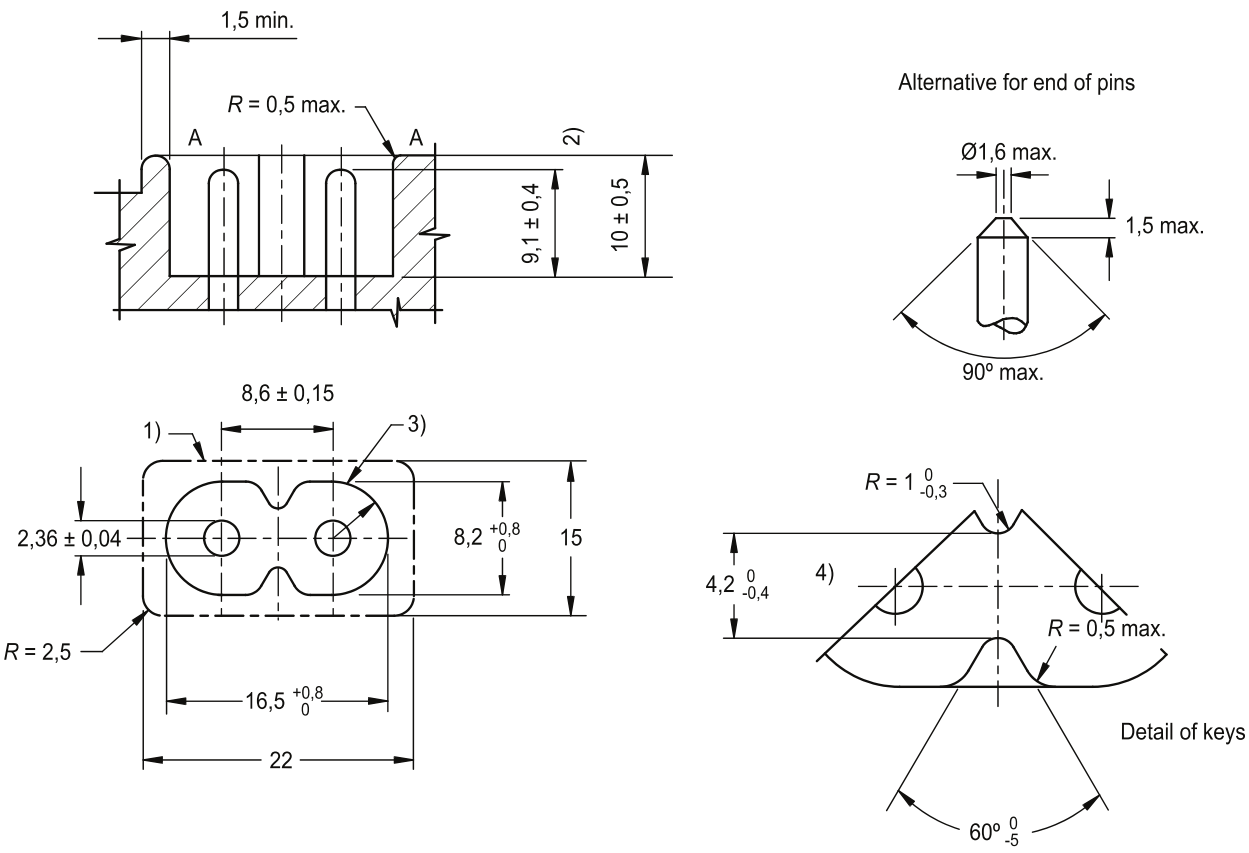
The outline 3) shall be at a distance of 10 mm ± 0,5 mm from the engagement face at the bottom of the inlet. The distance from the engagement face at the bottom of the inlet to plane A-A may, however, be less elsewhere within the area 1). Plane A-A need not necessarily be extended to the outline of area 1). A rim which is slightly rounded on top is allowed around the recess if it has a thickness of at least 1,5 mm. Retaining devices or parts thereof may be within the area 1). No other parts of the inlet may protrude beyond plane A-A.

2) For appliance inlets arranged countersunk in the outer surface of equipment, and if this surface is curved or inclined with respect to the axis of the appliance inlet, this dimension shall be not more than 10,5 mm; the minimum shall be determined by visual inspection.

For the position of switch cams, see 5.2.

4) Also to be checked by means of the gauge of Figure 10.

Dimensions in millimetres



IEC

su0501a

Standard sheet C8A
Appliance inlet 2,5 A / 250 V for class II equipment in cold conditions

C8ADV D1 ***Modify by replacing the title as follows:***

Appliance inlet 7 A, 125 V ac, or 2.5 A, 250 V ac for class II equipment in cold conditions

The ends of the pins may be spherical or conical of the form shown.

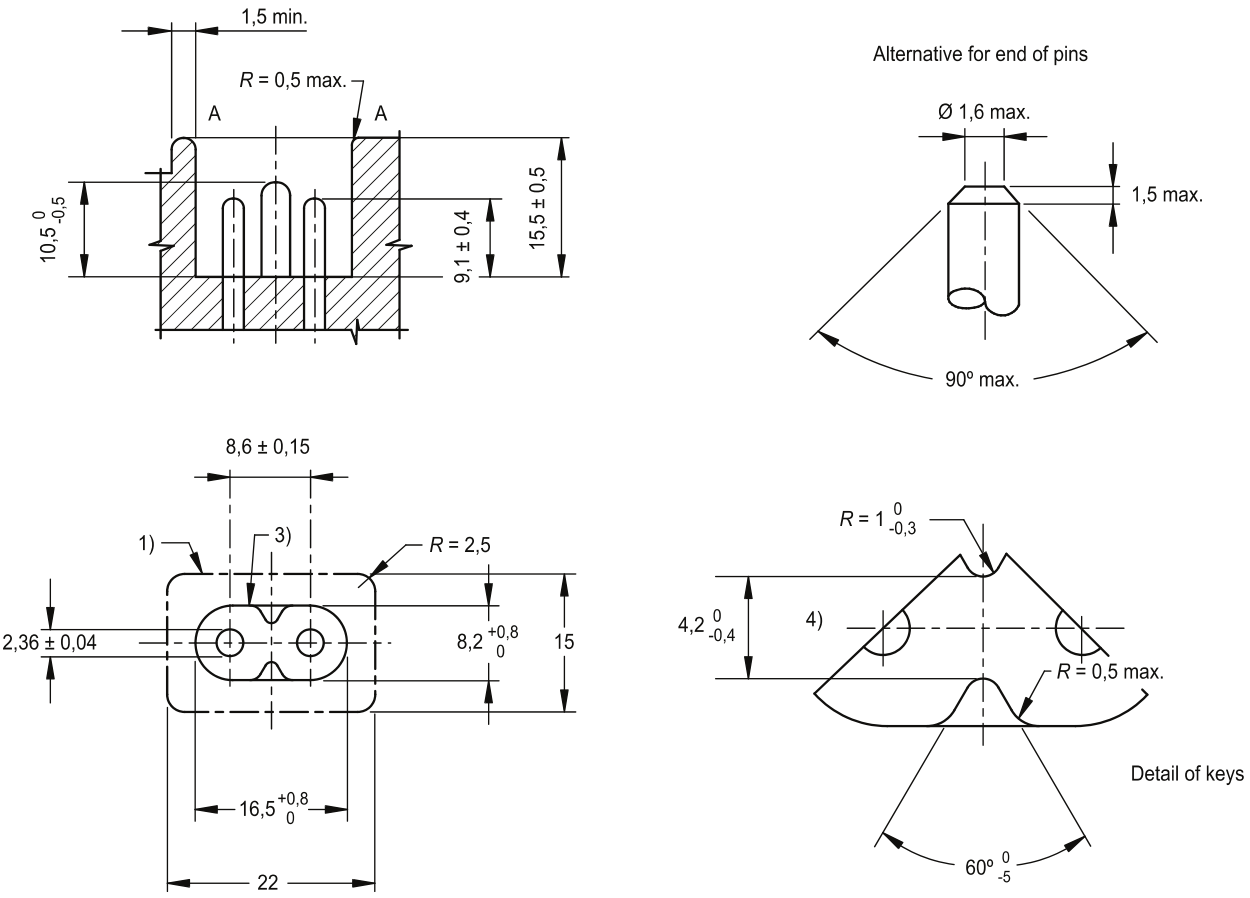
The outline 3) shall be at a distance of 15,5 mm ± 0,5 mm from the engagement face at the bottom of the inlet. The distance from the engagement face at the bottom of the inlet to plane A-A may, however, be less elsewhere within the area 1). Plane A-A need not necessarily be extended to the outline of area 1). A rim which is slightly rounded on top is allowed around the recess if it has a thickness of at least 1,5 mm. Retaining devices or parts thereof may be within the area 1). No other parts of the inlet may protrude beyond plane A-A.

The appliance inlet shall not be mounted in the outer surface of equipment which is curved or inclined with respect to the axis of the appliance inlet.

For the position of switch cams, see 5.2.

4) Also to be checked by means of the gauge of Figure 10.

Dimensions in millimetres



su0503a

Standard sheet C8B
Appliance inlet 2,5 A / 250 V for class II equipment in cold conditions – for alternative connection of the equipment to two different main voltages

C8BDV D1 ***Modify by replacing the title as follows:***

Appliance inlet 7 A, 125 V ac, or 2.5 A, 250 V ac for class II equipment in cold conditions – for alternative connection of the equipment to two different main voltages

The ends of the pins may be spherical or conical of the form shown.

The outline 3) shall be at a distance of 15,5 mm ± 0,5 mm from the engagement face at the bottom of the inlet. The distance from the engagement face at the bottom of the inlet to plane A-A may, however, be less elsewhere within the area 1). Plane A-A need not necessarily be extended to the outline of area 1). A rim which is slightly rounded on top is allowed around the recess if it has a thickness of at least 1,5 mm. Retaining devices or parts thereof may be within the area 1). No other parts of the inlet may protrude beyond plane A-A.

The hole in part P shall have no keys.

The configuration of the hole in part Q shall be an oval of $8{,}2\ ^{+0{,}8}_{0}$ mm × $25{,}1\ ^{+1}_{0}$ mm and shall have no keys.

2) The part Q may be omitted if part P is otherwise fixed (for example, when it is a reversible part fixed by screws) in which case the thickness of part P shall be such that the dimensions 10 mm ± 0,5 mm and 15,5 mm ± 0,5 mm for the distance from the bottom of the inlet to part P and to plane A-A (which is then the outer surface of part P) respectively, are maintained.

The appliance inlet shall not be mounted in the outer surface of equipment which is curved or inclined with respect to the axis of the appliance inlet.

For the position of switch cams, see 5.2.

4) Also to be checked by means of the gauge of Figure 10.