

Title: **COMMON BASE AND  
STANDARD PASSIVE UNITS  
FOR SINGLE PHASE 230V  
SERVICE CONNECTIONS**

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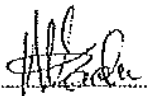
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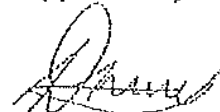
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## Content

	Page
1. Introduction .....	3
2. Supporting Clauses .....	3
2.1 Scope .....	3
2.1.1 Purpose .....	3
2.1.2 Applicability .....	3
2.2 Normative/Informative References.....	3
2.2.1 Normative.....	3
2.2.2 Informative .....	4
2.3 Definitions.....	4
2.3.1 General .....	4
2.4 Abbreviations.....	4
2.5 Roles and Responsibilities .....	4
2.6 Process for monitoring .....	4
2.7 Related/Supporting Documents .....	4
3. Requirements .....	5
3.1 Common Base and Standard Passive Units for Single Phase 230 V Service connections .....	5
3.1.1 General .....	5
3.1.2 Standard configurations .....	5
3.1.3 Common base.....	7
3.1.4 Wall outlet box (where required) .....	8
3.2 Tests.....	9
3.2.1 General .....	9
3.2.2 Dimensions .....	9
3.2.3 Heating test.....	9
3.2.4 Short time overcurrent .....	10
3.2.5 Dielectric strength .....	10
3.2.6 Visual inspection .....	10
4. Authorisation.....	10
5. Revisions .....	11
6. Development team .....	11
7. Acknowledgements .....	11
Annex A – List of Drawings .....	12
Annex B – Technical Schedules A and B .....	13

## 1. Introduction

This section of the Distribution Standard has been prepared to establish and promote the use of standardized designs.

## 2. Supporting Clauses

### 2.1 Scope

#### 2.1.1 Purpose

This standard sets out Eskom's requirements for common bases and standard passive units for single-phase 230 V service connections.

#### 2.1.2 Applicability

This document shall apply throughout Eskom Holdings Limited Divisions.

## 2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

### 2.2.1 Normative

The following standards contain provisions that, through reference in the text, constitute requirements of this standard at the time of publication the revisions indicated were valid. All standards are subject to review and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent revisions of the standards listed below. Information on currently valid national and international standards may be obtained from the Information Centre at Megawatt Park and Technology Standardization Department.

- [1] SANS 60529: 2001, *Degrees of protection provided by enclosures (IP Code)*.
- [2] ANSI/UL 94:1991, *UL standard for safety tests for flammability of plastic materials for parts in devices and appliances*.
- [3] SANS 62052-11: *Alternating-current static watt-hour meters for active energy (classes 1 and 2)*.
- [4] VC 8003:1998, *Manually operated switches for fixed installations*
- [5] SANS 60669-1: 1998, *Switches for household and similar fixed electrical installations*
- [6] VC 8008: 1998, *Plugs, socket-outlets and socket-outlet adaptors*
- [7] SANS 164-1:2006, *Plugs and socket-outlets for household and similar purposes. — Part 1: Conventional system (6 A and 16 A, 250 V)*.
- [8] SANS 10142: 2001, *Code of practice: The wiring of premises. Part 1: Low voltage installations*
- [9] SANS 1085:2004, *Wall outlet boxes for the enclosure of electrical accessories*.
- [10] SANS 1619:2006, *Small power distribution units (readyboards) for single-phase 230 V service connections*.
- [11] SANS 1507-1, *Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 1: General*
- [12] 240-75659670, *Standard for concentric cable*.
- [13] 240-75660532 (DSP\_34-312), *Standard for indoor arresters for the protection of electricity dispensers*
- [14] Eskom drawing D-DT-1017, Sheets 1, 2, 3, 4, 5, 6 and 7, *Common base and standard passive unit*.

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## 2.2.2 Informative

None

## 2.3 Definitions

### 2.3.1 General

Definition	Description
<b>Common base</b>	A base with jaws to accommodate the terminals of a plug-in ED or ECU. The base also has terminals for the connection of the supply and load conductors
<b>Electricity control unit (ECU)</b>	A single-phase prepayment meter with a maximum current rating of 20 A and integrated overcurrent and earth fault protection functionality. This meter is designed to be connected to the supply and the load by plugging it in to a common base.
<b>Electricity dispenser (ED)</b>	A single phase prepayment meter with a maximum current rating of 60 A. This meter is designed to be connected to the supply and the load by plugging it in to a common base
<b>Standard passive unit (SPU)</b>	An assembly consisting of a common base and a wall outlet box with two socket outlets. The common base and wall outlet box can be mounted on rails as an option.

### 2.3.2 Disclosure classification

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

## 2.4 Abbreviations

Abbreviation	Description
<b>COC</b>	Certificate of compliance
<b>CU</b>	Electricity control unit
<b>ED</b>	Electricity dispenser
<b>SPU</b>	Standard passive unit

## 2.5 Roles and Responsibilities

The relevant sections within Eskom Distribution are responsible to implement the new design according to the requirements as listed in this document.

## 2.6 Process for monitoring

Adherence to this document shall be monitored through routine inspections.

## 2.7 Related/Supporting Documents

Not applicable.

### **3. Requirements**

#### **3.1 Common Base and Standard Passive Units for Single Phase 230 V Service connections**

##### **3.1.1 General**

Common bases for prepayment meters shall be supplied in one of three standard configurations, as stipulated by the purchaser in schedule A. The three standard configurations are:

- a) Common base only (D-DT-1017 sheet 1). This configuration is used for accommodating an ED or ECU and consists of a common base only. This configuration shall be used for new installations where an ED is to be installed or for existing installations where either an ED or ECU has been installed. This configuration is used for maintenance where an ECU is installed (as part of a SPU) because the wall outlet box and the cable between the common base and the wall outlet box become the customer's property after the installation is commissioned. This means that Eskom will only maintain the common base itself, not the wall outlet box. The common base shall be supplied without any holes drilled in it in this configuration, in order to ensure that the box can be used for maintenance in installations where the cables do not enter the common base from the bottom, which is the current norm.
- b) SPU with rails (D-DT-1017 sheet 8). This configuration is used for accommodating an ECU and caters for mounting the common base and wall outlet box together side by side inside an installation on rails. This configuration is only used for new installations because if either a customer's wall outlet box or cable that connects the wall outlet box to the common base fail he is responsible for replacing it as mentioned in (a) above. The common base shall be supplied with the mounting holes and cable entry holes drilled when it is supplied in this configuration. This is to save time on site when this item is installed in new installations, since it is a high usage item.
- c) SPU without rails (D-DT-1017 sheet 7). This configuration is used for accommodating an ECU and caters for mounting the common base in a meter box outside the installation and the wall outlet box inside the installation. This configuration is only used for new installations because if either a customer's wall outlet box or cable that connects the wall outlet box to the common base fail he is responsible for replacing it as mentioned in (a) above. The common base shall be supplied with the mounting holes and cable entry holes drilled when it is supplied in this configuration. This is to save time on site when this item is installed in new installations since it is a high usage item.

More detailed requirements for the three standard configurations are given in clause 3.1.2 below.

##### **3.1.2 Standard configurations**

###### **3.1.2.1 Common base only**

- a) The common base shall comply with clause 3.1.3 and D-DT-1017 sheet 1.
- b) No mounting holes or cable entry holes shall be drilled into the common base by the manufacturer. Drilling centres shall however be provided as indicated on D-DT-1017 sheet 1.

###### **3.1.2.2 SPU with rails**

- a) The common base shall comply with clause 3.1.3 and D-DT-1017 sheet 2.
- b) The wall outlet box shall comply with clause 3.1.4 and D-DT-1017 sheet 6.
- c) The SPU shall be assembled in accordance with D-DT-1017 sheet 8.
- d) The common base shall be supplied with mounting holes drilled in three of the four mounting bosses, as shown on D-DT-1017 sheet 8.
- e) The common base shall be supplied with M20 holes drilled in the base for cable entry, as shown on D-DT-1017 sheet 8.

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- f) An abridged COC (installation certificate) shall be supplied in triplicate. The COC numbering shall comply with technical instruction 01TI-03 which will be updated when necessary.
  - g) The COC number to be carbon printed on the abridged COC issued with the standard passive units and printed on the passive base itself in accordance with 01TI-03.
  - h) The warning sticker affixed to the passive base shall be yellow with black text on it and shall comply with technical instruction 01TI-03. A warning flash (a black triangle with a black lightning flash symbol in it, on a yellow background) shall also be printed on the sticker.
  - i) The cable used to connect the wall outlet box to the common base shall comply with SANS 1507. The type of cable used shall be 600/ 1000 V, 2.5mm<sup>2</sup>, copper, two core and earth cable. SANS 1507 refers to these cables as "Circular sheathed multicore cables with bare earth continuity conductors with aluminium/ PVC or aluminium/ PE laminate."
  - j) The cable used to connect the wall outlet box to the common base shall be just long enough to make the connection.
  - k) The cable used to connect the wall outlet box to the common base shall be UV stable.
  - l) No. 1 compression glands shall be used to terminate the cable between the wall outlet box and the common base on both ends. These compression glands shall be removable with a tool without damaging the gland, the cable, the common base or the wall outlet box. Glands shall not be glued on to the common base or wall outlet box.
  - m) The SPU shall be supplied with the cable used to connect the wall outlet box to the common base terminated securely into the fully wired wall outlet box on one end and to the common base on the other end. The compression glands shall be tightened to the torque to be used in service. It shall be possible to install and commission the SPU without making any further connections.
  - n) The rails used to mount the common base and the wall outlet box shall be spaced 153mm apart, the same distance as the mounting holes for the wall outlet box.

### **3.1.2.3 SPU without rails**

- a) The common base shall comply with clause 3.1.3 and D-DT-1017 sheet 2.
- b) The wall outlet box shall comply with clause 3.1.4 and D-DT-1017 sheet 6.
- c) The SPU shall be assembled in accordance with D-DT-1017 sheet 7.
- d) The common base shall be supplied with mounting holes drilled in three of the four mounting bosses, as shown on D-DT-1017 sheet 7.
- e) The common base shall be supplied with M20 holes drilled in the base for cable entry, as shown on D-DT-1017 sheet 7.
- f) No abridged COC is to be supplied. An accredited person shall issue a full COC on site.
- g) The warning sticker affixed to the passive base shall be yellow with black text on it and shall comply with technical instruction 01TI-03. A warning flash (a black triangle with a black lightning flash symbol in it, on a yellow background) shall also be printed on the sticker.
- h) The cable used to connect the wall outlet box to the common base shall comply with SANS 1507. The type of cable used shall be 600/ 1000 V, 2.5mm<sup>2</sup>, copper, two-core and earth cable. SANS 1507 refers to these cables as "Circular sheathed multicore cables with bare earth continuity conductors with aluminium/ PVC or aluminium/ PE laminate."
- i) The cable used to connect the wall outlet box to the common base shall be 1000mm long.
- j) The cable used to connect the wall outlet box to the common base shall be UV stable.
- k) No. 1 compression glands shall be used to terminate the cable between the wall outlet box and the common base on both ends. These compression glands shall be removable with a tool without damaging the gland, the cable, the common base or the wall outlet box. Glands shall not be glued on to the common base or wall outlet box.

- i) The SPU shall be supplied with the cable used to connect the wall outlet box to the common base terminated securely into the fully wired wall outlet box. The compression gland on the wall outlet box end shall be tightened to the torque to be used in service. The common base end of the cable shall be prepared for termination so that it can be connected to the load side field wiring terminals in the common base without further preparation. It shall not however be connected on to the load terminals in the common base. The compression gland on the common base shall be supplied fitted on to the common base (hand tight). It is not necessary to terminate the common base side of the cable between the common base and the wall outlet box because the cable would then have to be disconnected at this point in order to install the wall outlet box inside an installation and the common base outside the installation.

### **3.1.3 Common base**

All common bases shall comply with the following requirements of SANS 1619:

- a) Clause 3.1.1 Construction
- Paragraph 3.1.1.1.7
  - Paragraph 3.1.1.1.9
- b) Clause 3.1.2 Fire resistance
- (The entire clause) This test is carried out on the case of the common base (a 650°C test).
- c) Clause 3.1.3 Resistance to impact
- (The entire clause)
- d) Clause 3.1.4 Resistance to solvents
- (The entire clause)
- e) Clause 3.2 Tests
- Paragraph 3.2.1.2
  - Paragraph 3.2.1.3
  - Paragraph 3.2.1.4

**Note:** Compliance is indicated if there is no damage to the common base.

- f) Clause 6 Marking/labelling
- Paragraph 3.3.1 a), b) and c)
  - Paragraph 3.3.2
  - Paragraph 3.3.3
- g) The common base shall be manufactured in accordance with drawing D-DT-1017 sheet 1 or 2, depending on the configuration specified.
- h) The common base mounting bosses shall be of the size and in the positions shown in D-DT-1017 sheet 1 and 2. The mounting holes in the mounting bosses shall only be drilled if called for by the configuration specified.
- i) The common base dimensions shall be tested in accordance with 3.2.2.
- j) A surge arrester complying with the requirements of 240-75660532 (DSP\_34-312), shall be mounted in the common base. It shall be connected between the "LINE" "LIVE" and "NEUTRAL" terminals. The arrester shall be mounted in one of the volumes reserved for this purpose as shown in D-DT-1017 sheet 3.
- k) The four connectors shall be rated to carry 80 A continuously. The test of 3.2.3 shall be performed to verify the reliability of the contacts.



- l) Paragraphs 5.4, 5.6 and 5.8 of SANS 62052-11 shall apply to the terminal blocks in the common base. In clause 5.6 of SANS 62052-11 the outdoor meter clearances and creepage distances from table 3a shall apply. The voltage category shall be taken as  $\leq 600V$ . In clause 5.8 the 960°C test shall be performed on the terminal block.
- m) The incoming supply cable will be concentric service cable complying with 240-75659670. The cable sizes used may vary from 4 mm<sup>2</sup> to 16 mm<sup>2</sup> (phase conductor area). It shall be possible to terminate these cables using caged clamps. Innovative methods of terminating concentric cable will be considered.
- n) The common base shall have an earth terminal, connected to the "NEUTRAL LINE" terminal, and shall allow a separate earth conductor connection at the "EARTH LOAD" side. This termination shall be a caged clamp.
- o) In addition to the markings required by SANS 1619, the following shall be clearly and indelibly marked: "LINE LIVE", "LOAD LIVE", "LINE NEUTRAL:", "LOAD NEUTRAL" and "LOAD EARTH" or similar.
- p) The common base shall be designed for a 25 year life.
- q) The common base shall be supplied with two M20 cable entry holes drilled in the base if required by the configuration specified.
- r) The common base shall comply with ANSI/UL 94, classification V1.
- s) The common base shall be UV-stabilized.
- t) It shall not be possible to access any current carrying points using the standard test finger described in IEC 60529.
- u) A label indicating the use of the coding tab shall be included in the common base with the layout and wording as shown below. The sticker shall be yellow with black text on it. A warning flash (a black triangle with a black lightning flash symbol in it, on a yellow background) shall also be printed on the sticker.

#### **WARNING**

**Do NOT install ED if no Earth Leakage present.**

**Cut tab for ED**

**Do not cut tab for ECU**

- v) The short time overcurrent test described in clause 3.2.4 shall be carried out.
- w) The dielectric test described in clause 7.4 of SANS 62052-11 shall be carried out.

#### **3.1.4 Wall outlet box (where required)**

- a) The wall box shall comply with all the requirements of SANS 1085. The wall box shall be a surface-mounting box in accordance with SANS 1085. The wall box is intended for indoor use only. The internal depth of the wall box shall be 36 mm. The dimensions of the wall outlet box shall be in accordance with D-DT-1017 sheet 6. The base, sides and mounting lugs of the wall outlet box shall be constructed as a single piece. A top plate to ensure that the cover plate fits onto the wall outlet box properly, without any gaps, may be provided as a separate piece if required.
- b) The wall box shall have lugs on which an assembly consisting of the two socket outlets and two switches shall be mounted. The mounting centres for the assembly shall be in accordance with the mounting centres for a 105.5 x 105.5 mm flush mounting wall outlet box as specified in SANS 1085 (as shown on D-DT-1017 sheet 6). The width of the lugs shall comply with SANS 1085 (10 mm). The holes in the lugs shall be suitable for a 4mm diameter fixing screw.



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- c) The wall outlet box shall be constructed so that it is only necessary to attach a double switched socket assembly to the mounting lugs and then attach a matching cover plate from the same manufacturer to the assembly to complete the unit. Replacement parts for the assembly and cover plate used shall be available off the shelf. There shall be no gaps between the wall outlet box and the cover plate when it is fitted. The cover plate may vary in width between 123mm and 125mm and in length between 123mm and 125mm. The construction of the wall outlet box shall be such that any assembly and cover plate designed for a 105.5 x 105.5 mm flush mounting wall outlet box in accordance with SANS 1085 could be used to replace the one originally installed. If the assembly purchased has a different manufacturer to the original it will be necessary to purchase a matching cover plate for it.
- d) The wall box, shall have 4 mm diameter mounting holes on its base, as shown on D-DT-1017 sheet 6 and shall be mounted on a box plate or on mounting feet such that:
- 1) The wall box is removable secured to the base plate or mounting feet using the 4mm mounting holes;
  - 2) The centre of the cable entry of the wall box is 25 mm above the bottom of the base plate or mounting feet as shown in D-DT-1017, sheet 6. This is to ensure that the cable entry of the wall box is at the same distance from the wall surface as the common base cable entry; and
  - 3) The base plate or mounting feet shall have 10 mm diameter mounting holes in the configuration shown in D-DT-1017, sheet 6.
- e) The wall outlet box shall be supplied with a double switched socket-outlet assembly and cover plate fitted. The 16A socket-outlets shall comply with VC 8008 and SANS 164-1 and shall bear the SABS mark. The switches shall comply with VC 8003 and SANS 60669-1 and shall bear the SABS mark.
- f) The wall box shall be designed for a 25 year life.
- g) The wall box components shall comply with the requirements of SANS 10142. A SANS 10142 authorisation committee certificate shall be provided.
- h) The test outlined in paragraph 5.1.7 of SANS 1619 shall be carried out on the wall outlet box. Compliance is indicated if there is no damage to the wall outlet box.

## **3.2 Tests**

### **3.2.1 General**

All tests in clause 3.1.2 shall be performed on the common base. All tests required by SANS 1085 and by clause 3.1.3 shall be performed on the wall outlet box.

### **3.2.2 Dimensions**

Insert a test insert, (see D-DT-1017, sheet 5) into the common base. With the insert fitted in to the common base, test the common base interior for compliance with classification IP51, in accordance with IEC 60529.

### **3.2.3 Heating test**

This test is taken from ANSI/UL 414, clause 15.

- a) Insert a test insert in accordance with D-DT-1017, sheet 5, into the common base. Current carrying load circuit parts shall be capable of carrying specified test currents without any part attaining a temperature rise greater than specified in c) at any constant ambient temperature in the range of  $25\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$  when tested as described in 0 and c). All cables used for connection shall be  $16\text{ mm}^2$  copper.

- b) The following sequence of tests shall be performed:
- 1) Five insertions and withdrawals shall be made with a test insert;
  - 2) A temperature test shall be conducted at 100 % of the continuous ampere rating. Measure the temperature after 1 h of current injection;
  - 3) Immediately following the temperature test, the meter shall be removed and reinserted 13 times while it is thermally hot;
  - 4) The common base shall be allowed to cool for 2 h or to room temperature and shall then be removed and reinserted 12 times;
  - 5) following the final insertion operation, a cycling test shall be conducted consisting of 16 cycles with current on for 2 h and off for 1 h at 120 % of the continuous ampere rating; and
  - 6) The temperature test shall then be repeated at 100 % of the continuous rating. Measure the temperature after 1 h of current injection.
- c) The temperature rise observed in the common base shall not exceed the following:
- 1) 65 °C at a jaw or at a field wiring terminal when tested in accordance with items (b) and (f) of 0;
  - 2) 55 °C within 3,2 mm from the opening for wire in a field wiring terminal when tested in accordance with items (b) and (f) of 0; and
  - 3) 7 °C maximum increase at a jaw or a field wiring terminal when tested in accordance with item (f) of 0 when compared to the rise recorded when tested in accordance with item (b) of 0

### **3.2.4 Short time overcurrent**

Insert a test insert into the common base. Connect the “LIVE LOAD” terminal to the “NEUTRAL LOAD” terminal using a 16 mm<sup>2</sup> copper conductor. Inject a 2,5 kA 50 Hz current for one half cycle. Confirm by visual inspection, that no damage was done to the common base.

### **3.2.5 Dielectric strength**

Test the common base in accordance with clause 7.4 of SANS 62052-11 (protective class I).

### **3.2.6 Visual inspection**

After completion of all tests, confirm by visual inspection, that no damage was done to the common base or wall outlet box.

## **4. Authorisation**

This document has been seen and accepted by:

<b>Name and surname</b>	<b>Designation</b>
Jutas Maudu	Senior Manager
Riaz Asmal	MV/LV SC Chairperson
Bheki Ntshangase	Senior Manager HV Plant

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## 5. Revisions

Date	Rev	Compiler	Remarks
March 2017	2	Jutas Maudu	Document content transferred from old template to latest SCOT template, no technical changes on the document
Feb2014	1	Jutas Maudu	Document reformatted. No content change. This Document supersedes Document number: DSP_34-434
Nov2012	1	Jutas Maudu	Final Document approved Draft Document for review created from 34-434

## 6. Development team

- Jutas Maudu
- Greg Whyte
- Tristin Gillard

## 7. Acknowledgements

Not applicable.

## **Annex A – List of Drawings**

(Informative)

### **List of drawings**

The following drawings form part of this standard and are attached.

D-DT-1017 Common base and Standard Passive Unit.

D-DT-1017 Sheet 1 Common base detail (for new ED installations and all maintenance).

D-DT-1017 Sheet 2 Common base detail (for new ECU installations – as part of SPU).

D-DT-1017 Sheet 3 Standard active unit insert.

D-DT-1017 Sheet 4 Common base reserved volumes.

D-DT-1017 Sheet 5 Common base current test setup.

D-DT-1017 Sheet 6 Wall outlet box dimensions and mounting requirements.

D-DT-1017 Sheet 7 Standard passive unit (SPU) without rails

D-DT-1017 Sheet 8 Standard passive unit (SPU) with rails

**Annex B – Technical Schedules A and B**

Standard passive units for single-phase 230 V service connections

**Schedule A: Purchaser's specific requirements****Schedule B: Particulars of equipment to be supplied**

1	2	3	4	5
Item	Clause	Description	Schedule A	Schedule B
1	4.1	Common base configuration required (common base only, SPU with rail, SPU without rail)?		
<b>For common base only configuration:</b>				
2	4.2.1 (a)	Does the common base comply with the dimensions on D-DT-1017 sheet 1?	Yes	
3	4.2.1 (b)	Has the common base been supplied without any pre-drilled mounting holes or cable entry holes?	Yes	
<b>For SPU with rails configuration:</b>				
4	4.2.2 (a)	Does the common base comply with the dimensions on D-DT-1017 sheet 2?	Yes	
5	4.2.2 (b)	Does the wall outlet box comply with the overall dimensions and mounting dimensions of D-DT-1017 sheet 6?	Yes	
6	4.2.2 (c)	Is the overall layout of the SPU on rails in accordance with D-DT-1017 sheet 8?	Yes	
7	4.2.2 (d)	Have the three M6 mounting holes indicated on D-DT-1017 sheet 8 been drilled (the bottom two and the one 153mm above them)?	Yes	
8	4.2.2 (e)	Have M20 cable entry holes been drilled in the base of the common base as indicated on D-DT-1017 sheet 8?	Yes	
9	4.2.2 (f)	Has an abridged COC been supplied (in triplicate)? Does the COC numbering system comply with 01TI-03?	Yes	
10	4.2.2 (g) and (h)	Has a suitable length of 2.5mm <sup>2</sup> copper two core and earth cable been used to connect the wall outlet box to the common base?	Yes	
11	4.2.2 (i)	Is the cable used UV stable?	Yes	
12	4.2.2 (j)	Has the cable been terminated at both ends, using no. 1 compression glands (not glued)?	Yes	
13	4.2.2 (k)	Is the SPU supplied ready for commissioning with all wiring in accordance with SANS 10142? Has a SANS 10142 authorization committee certificate been provided with the tender?	Yes	
14	4.2.2 (l)	Have the rails been spaced 153mm apart?	Yes	

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1	2	3	4	5
Item	Clause	Description	Schedule A	Schedule B
<b>For SPU without rails configuration:</b>				
15	4.2.3 (a)	Does the common base comply with the dimensions on D-DT-1017 sheet 2?	Yes	
16	4.2.3 (b)	Does the wall outlet box comply with the overall dimensions and mounting dimensions of D-DT-1017 sheet 6?	Yes	
17	4.2.3 (c)	Is the overall layout of the SPU without rails in accordance with D-DT-1017 sheet 7?	Yes	
18	4.2.3 (d)	Have the three M6 mounting holes indicated on D-DT-1017 sheet 7 been drilled (the bottom two and the one 195mm above them)?	Yes	
19	4.2.3 (e)	Have M20 cable entry holes been drilled in the base of the common base as indicated on D-DT-1017 sheet 7?	Yes	
20	4.2.3 (g) and (h)	Has a 1000mm length of 2.5mm <sup>2</sup> copper two core and earth cable been used to connect the wall outlet box to the common base?	Yes	
21	4.2.3 (i)	Is the cable used UV stable?	Yes	
22	4.2.3 (j)	Has the cable been terminated at the wall outlet box end, using a no. 1 compression gland (not glued)?	Yes	
23	4.2.2 (k)	Has the cable been terminated at the wall outlet box end and prepared for termination but left unattached at the common base end? Has a no. 1 compression gland been hand-tightened onto the common base?	Yes	
<b>All configurations – common base details</b>				
24	4.3.1	Has a type test certificate from an independent accredited test authority that proves compliance with the relevant clauses of SANS 1619 been provided with the tender?	Yes	
25	4.3.5	Has a surge arrester that complies with 34-312 been supplied with the common base?	Yes	
26	4.3.5	Has a letter from the surge arrester manufacturer stating that it complies with 34-312 been provided with the tender?	Yes	
27	4.3.6	Has a type test certificate from an independent accredited test authority that proves compliance with test 5.3 been provided with the tender?	Yes	
28	4.3.7	Has a type test certificate from an independent accredited test authority that proves compliance with clauses 5.4, 5.6 and 5.8 of SANS 62052-11 been provided with the tender?	Yes	

1	2	3	4	5
Item	Clause	Description	Schedule A	Schedule B
29	4.3.8	Have caged clamps been provided to terminate the concentric cable?	Yes	
30	4.3.9	Has an earth terminal, connected to the Neutral line terminal, been supplied?	Yes	
31	4.3.10	Have the terminals been labeled?	Yes	
32	4.3.14	Is the common base UV stabilized?	Yes	
33	4.3.15	Does the common base comply with clause 4.3.15 when the test insert has been inserted?	Yes	
34	4.3.16	Has the sticker been included and worded correctly?	Yes	
35	4.3.17	Has a type test certificate from an independent accredited test authority that proves that the common base complies with clause 5.4 been provided with the tender?	Yes	
36	4.3.18	Has a type test certificate from an independent accredited test authority that proves that the common base complies with clause 5.5 and therefore clause 5.4.6.3 of SANS 62052-11 been provided with the tender?	Yes	
<b>Wall outlet box details (complete for SPU configurations but not for common base only configuration)</b>				
37	4.4.1	Has a type test certificate from an independent accredited test authority that proves that the wall outlet box complies with SANS 1085 been provided with the tender?	Yes	
38	4.4.1	Is the internal depth of the wall outlet box 36mm?	Yes	
39	4.4.1 and 4.4.2	Are the overall dimensions and mounting dimensions of the wall outlet box in accordance with D-DT-1017 sheet 6?	Yes	
40	4.4.3	Can off the shelf double switched socket outlet assemblies and cover plates be fitted to the wall outlet box without modifying it?	Yes	
41	4.4.4	Has the wall outlet box been removably secured to the base plate/ mounting feet?	Yes	
42	4.4.5	Have two switched socket outlets been supplied?	Yes	
43	4.4.5	Has a type test certificate from an independent accredited test authority that proves that the socket outlets comply with VC 8008 and SANS 164-1 been provided with the tender OR has a currently valid letter granting the manufacturer of the socket outlets the right to apply the SABS mark been provided?	Yes	



1	2	3	4	5
Item	Clause	Description	Schedule A	Schedule B
44	4.4.5	Has a type test certificate from an independent accredited test authority that proves that the switches comply with VC 8003 and SANS 60669-1 been provided with the tender OR has a currently valid letter granting the manufacturer of the socket outlets the right to apply the SABS mark been provided??	Yes	
45	4.4.7	Does the wall outlet box comply to SANS 10142 and has an authorization certificate been supplied?	Yes	
46	4.4.8	Has a type test certificate from an independent accredited test authority that proves that the wall outlet box complies with the test in clause 5.1.7 of SANS 1619 been provided with the tender?	Yes	
<b>Additional information (all configurations)</b>				
47		Colour of SPU	XXXXXX	
48		Material of label	XXXXXX	
49		SPU manufacturer's name	XXXXXX	
50		SPU manufacturer's type or code	XXXXXX	
51		Does SPU comply with requirement V1 of UL94-91? - attach documents	XXXXXX	
52		Does SPU comply with DSP34-434? Attach documentation showing compliance for all requirements. List each point of non-conformance.	XXXXXX	

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**Technical Schedules A and B**

**Deviation schedule**

Any deviations offered to this standard shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

Item	Clause	Proposed deviation

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