



All Round  
Supplies

Endeavour Energy

# Kiosk Upgrades

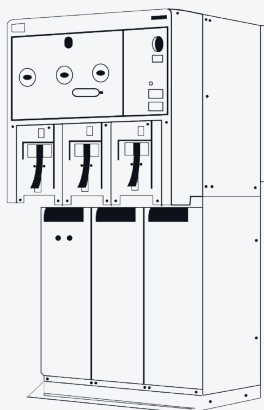
Version 1

## MV SWITCHGEAR

### AVAILABLE FUNCTIONS

The available functions for Siemens 8DJH HV switchgear have the following codes:

- R** Switch
- T** Switch/fuse
- L** Circuit breaker



The available functions for ABB SafeLink HV switchgear have the following codes:

- C** Switch
- F** Switch/fuse

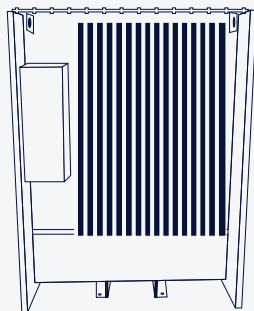
## TRANSFORMERS

### RATED POWER

Transformer voltage is either 11kV/433kV or 22kV/433kV.

Rated power of the transformer will be one of four options:

**315kVA**  
**500kVA**  
**1000kVA**  
**1500kVA**



## LV SWITCHGEAR

### SWITCH/FUSE CONFIGURATIONS

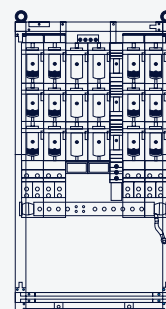
Our low voltage switchgear follows three switch/fuse configurations:

- FFIFF** fuse, fuse, isolator, fuse, fuse
- FIF** fuse, isolator, fuse

Categories:

Cat 1 = 940A

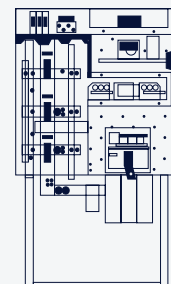
Cat 2 = 1590A



### CIRCUIT BREAKER CONFIGURATIONS

Our low voltage switchgear has four types of circuit breaker configurations:

- Type 1** 1250A CB (+F, +FF)
- Type 2** 2500A CB (+F, +FF)
- Type 3** 3200A CB (+F, +FF)
- Type 4** 2 x 1250A CB

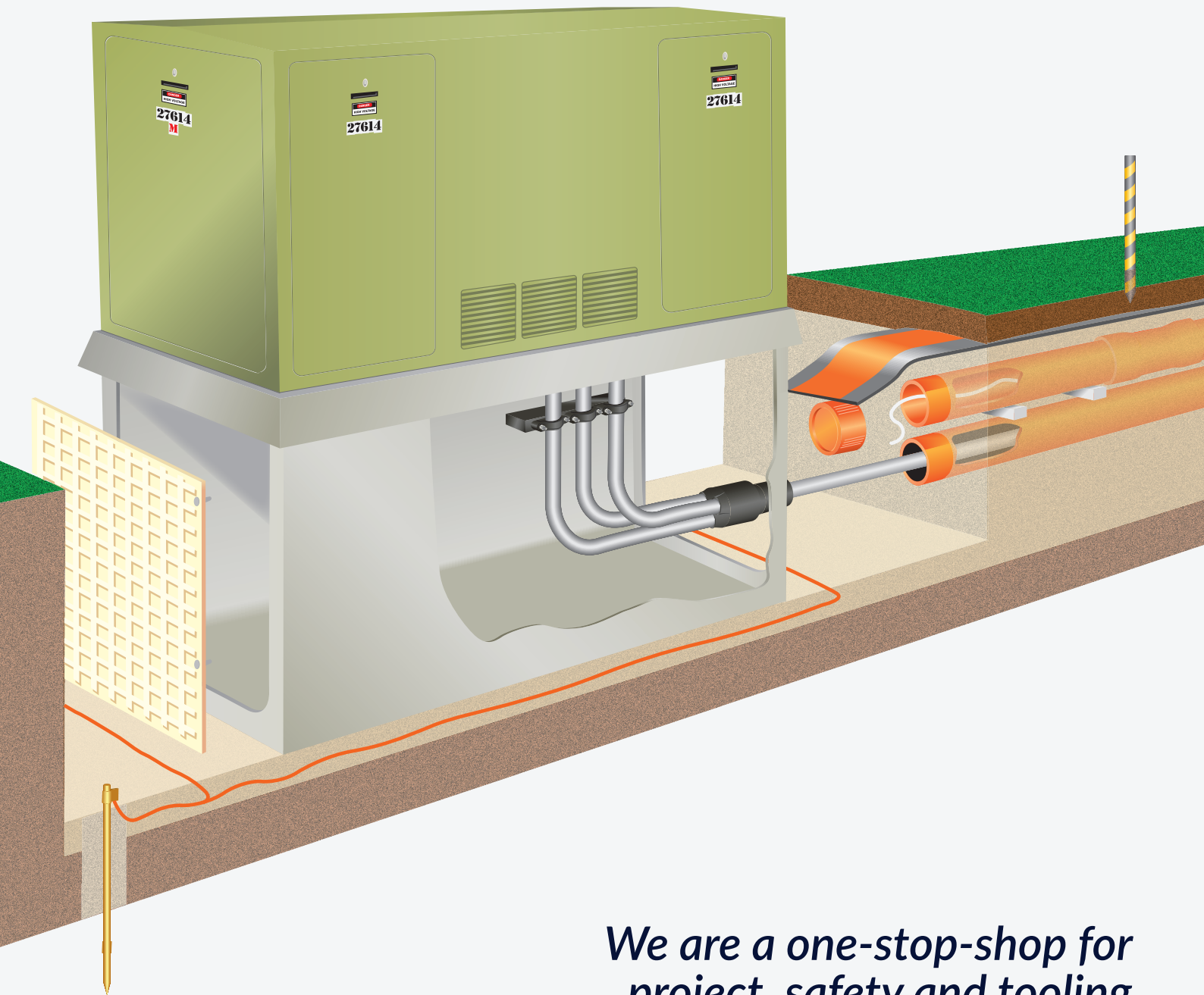


+F = 1 x 400A 3-phase fuse strip installed

+FF = 2 x 400A 3-phase fuse strips installed



## Kiosk Uprates for Endeavour Energy



*We are a one-stop-shop for  
project, safety and tooling  
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the industry, excellent value  
and knowledgeable service.*

# Components

## MV switchgear

(Cables to TX **not** included)

| Description                           | Switchgear Type |               | Stockcode |
|---------------------------------------|-----------------|---------------|-----------|
| 11/22KV, SWITCH - FUSE - SWITCH       | Siemens         | 8DJH-RTR      | TBA       |
| 11KV, SWITCH - FUSE - SWITCH          | ABB             | Safelink CFC  | 02263     |
| 11KV, SWITCH - FUSE - SWITCH - SWITCH | ABB             | Safelink CFCC | 02264     |
| 11/22KV, SWITCH - CB - SWITCH         | Siemens         | 8DJH-RLR      | 09167     |

## Transformer

| Description                                           | Transformer Type |  | Stockcode |
|-------------------------------------------------------|------------------|--|-----------|
| 11kV 500kVA Ground Mount Tank                         | Mineral Oil      |  | TBA       |
|                                                       | Dry              |  | TBA       |
|                                                       | FR3              |  | TBA       |
| 11kV 1000kVA Ground Mount Tank                        | Mineral Oil      |  | 02734     |
|                                                       | Dry              |  | TBA       |
|                                                       | FR3              |  | TBA       |
| 11kV 1500kVA Ground Mount Tank                        | Mineral Oil      |  | TBA       |
|                                                       | Dry              |  | TBA       |
|                                                       | FR3              |  | TBA       |
| 22kV 500kVA Ground Mount Tank                         | Mineral Oil      |  | TBA       |
|                                                       | Dry              |  | TBA       |
|                                                       | FR3              |  | TBA       |
| 22kV 1000kVA Ground Mount Tank                        | Mineral Oil      |  | TBA       |
|                                                       | Dry              |  | TBA       |
|                                                       | FR3              |  | TBA       |
| 22kV 1500kVA Ground Mount Tank                        | Mineral Oil      |  | TBA       |
|                                                       | Dry              |  | TBA       |
|                                                       | FR3              |  | TBA       |
| Bushing Insert 200A Pin (Type A) - require 3 per tank |                  |  | 02955     |





## LV switchgear

Cables to TX **included**

| Description                                                       | Switchgear Abbreviation | Stockcode |
|-------------------------------------------------------------------|-------------------------|-----------|
| LV Switchboard, Category 2 - Fuse - Isolator - Fuse               | CAT 2 - FIF             | 02471     |
| LV Switchboard, Category 2 - Fuse - Fuse - Isolator - Fuse - Fuse | CAT 2 - FFIFF           | 02466     |
| LV Switchboard - Type 1, 1250A CB (Excludes 400A fusestrips)*     | Type 1                  | 02438     |
| LV Switchboard - Type 2, 2500A CB (Excludes 400A fusestrips)*     | Type 2                  | 02439     |
| LV Switchboard - Type 3, 3200A CB (Excludes 400A fusestrips)*     | Type 3                  | 02440     |
| LV Switchboard - Type 4, 2 x 1250A CB                             | Type 4                  | 03475     |
| LV Switchboard - Type 5, LV LBS                                   | Type 5                  | TBA       |

NB: Refer to other equipment on page 8 for loose fuse strips.

# Components

## MV lead set materials

| Description                                                               | Stockcode |
|---------------------------------------------------------------------------|-----------|
| 630A STRAIGHT CONNECTOR, 22KV 35MM <sup>2</sup> XLPE                      | TBA       |
| CABLE 22KV 1C 25MM <sup>2</sup> CU XLPE - 3KA SCREEN (per metre)*         | 08631     |
| CABLE 22KV 1C 70MM <sup>2</sup> CU XLPE - 10KA SCREEN (per metre)*        | 08632     |
| 200A ELBOW KIT 25-95MM <sup>2</sup> - 3 PHASE KIT                         | 07080     |
| 630A ELBOW KIT 120-300MM <sup>2</sup> - 3 PHASE KIT                       | 06869     |
| LUG 16-95MM <sup>2</sup> FOR 630A ELBOW KIT (FOR 70MM <sup>2</sup> CABLE) | 07359     |

For connections to transformers with Reyrolle (pin type) block contact ARS  
 For conversion of existing Holec MD4 (Hazemeyer) termination contact ARS  
 \*MOQ may apply.



## Pre-made MV lead sets

| Description                              | Stockcode |
|------------------------------------------|-----------|
| LEAD SET, 2.3M 200A ELBOW - ABB SAFELINK | TBA       |
| LEAD SET, 2.3M 200A ELBOW - SIEMENS 8DJH | TBA       |

## MV termination kits

| Description                                                                                                                              | Stockcode |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 630AMP AUSTRALMOLD ELBOWS<br>POWERJOINT TRIFURCATION KIT & FLOATING CLAMP<br>11/22KV 120-300MM <sup>2</sup> 3C XLPE                      | A0003     |
| 630AMP AUSTRALMOLD ELBOWS<br>TE TRIFURCATION KIT & FLOATING CLAMP<br>11/22KV 120-300MM <sup>2</sup> 3C XLPE                              | A1214     |
| 630AMP AUSTRALMOLD ELBOWS<br>NKT TRIFURCATION KIT & FLOATING CLAMP<br>11/22KV 120-300MM <sup>2</sup> 3C XLPE                             | A3712     |
| 630AMP TE ELBOWS<br>POWERJOINT TRIFURCATION KIT & FLOATING CLAMP<br>11/22KV 185-300MM <sup>2</sup> 3C XLPE                               | A1050     |
| 630AMP TE ELBOWS<br>TE TRIFURCATION KIT & FLOATING CLAMP<br>11/22KV 185-300MM <sup>2</sup> 3C XLPE                                       | A1215     |
| 630AMP TE ELBOWS<br>NKT TRIFURCATION KIT & FLOATING CLAMP<br>11/22KV 185-300MM <sup>2</sup> 3C XLPE                                      | A3711     |
| 630AMP INLINE CONNECTORS WITH TRIFURCATION KIT AND<br>FLOATING CLAMP FOR ABB SAFELINK SWITCHGEAR:<br>11KV 240-300MM <sup>2</sup> 3C XLPE | A3667     |



## LV termination kits

| Description                                            | Stockcode |
|--------------------------------------------------------|-----------|
| TERMINATION KIT, 240MM <sup>2</sup> 4C AL XLPE - CAT 1 | A0004     |
| TERMINATION KIT, 240MM <sup>2</sup> 4C AL XLPE - CAT 2 | A0005     |



## MV fuses

| Description                          | Stockcode |
|--------------------------------------|-----------|
| 11kV Cannister Fuse 31.5A full range | TBA       |
| 11kV Cannister Fuse 50A full range   | TBA       |
| 11kV Cannister Fuse 80A full range   | TBA       |
| 22kV Cannister Fuse 20A full range   | TBA       |
| 22kV Cannister Fuse 25A full range   | TBA       |
| 22kV Cannister Fuse 40A full range   | TBA       |



## LV fuses

| Description                | Stockcode |
|----------------------------|-----------|
| 100A DIN 2 - INSULATED TAG | 00805     |
| 160A DIN 2 - INSULATED TAG | 03330     |
| 200A DIN 2 - INSULATED TAG | 02828     |
| 250A DIN 2 - INSULATED TAG | 00600     |
| 315A DIN 2 - INSULATED TAG | 02809     |
| 400A DIN 2 - INSULATED TAG | 00599     |





# Components

## Plinth accessories

| Description                                                                                                           | Stockcode |
|-----------------------------------------------------------------------------------------------------------------------|-----------|
| PLINTH EXTENSION KIT<br>(Plinth extension, 2 x brackets, 2 x bolts & washers, 2 x anchor studs, 2 x chemset capsules) | A0140     |
| PLINTH EXTENSION                                                                                                      | 02629     |
| PLINTH EXTENSION BRACKET                                                                                              | 02719     |
| CHEMSET ANCHOR STUD M12                                                                                               | 02720     |
| CHEMSET HAMMER-IN CAPSULE M12                                                                                         | 02793     |
| TOE CLAMP                                                                                                             | 00597     |
| KIOSK SUBSTATION END PIT                                                                                              | 08614     |



## Cubicles

| Description               | Stockcode |
|---------------------------|-----------|
| CUBICLE END, LV - SIZE 5  | 02792     |
| CUBICLE END, LV - SIZE 10 | 02718     |
| CUBICLE, FULL - SIZE 5    | 02143     |
| CUBICLE, FULL - SIZE 10   | 02144     |
| CUBICLE, FULL - SIZE 14   | 02146     |
| CUBICLE, FULL - SIZE 16   | 02147     |



## Other equipment

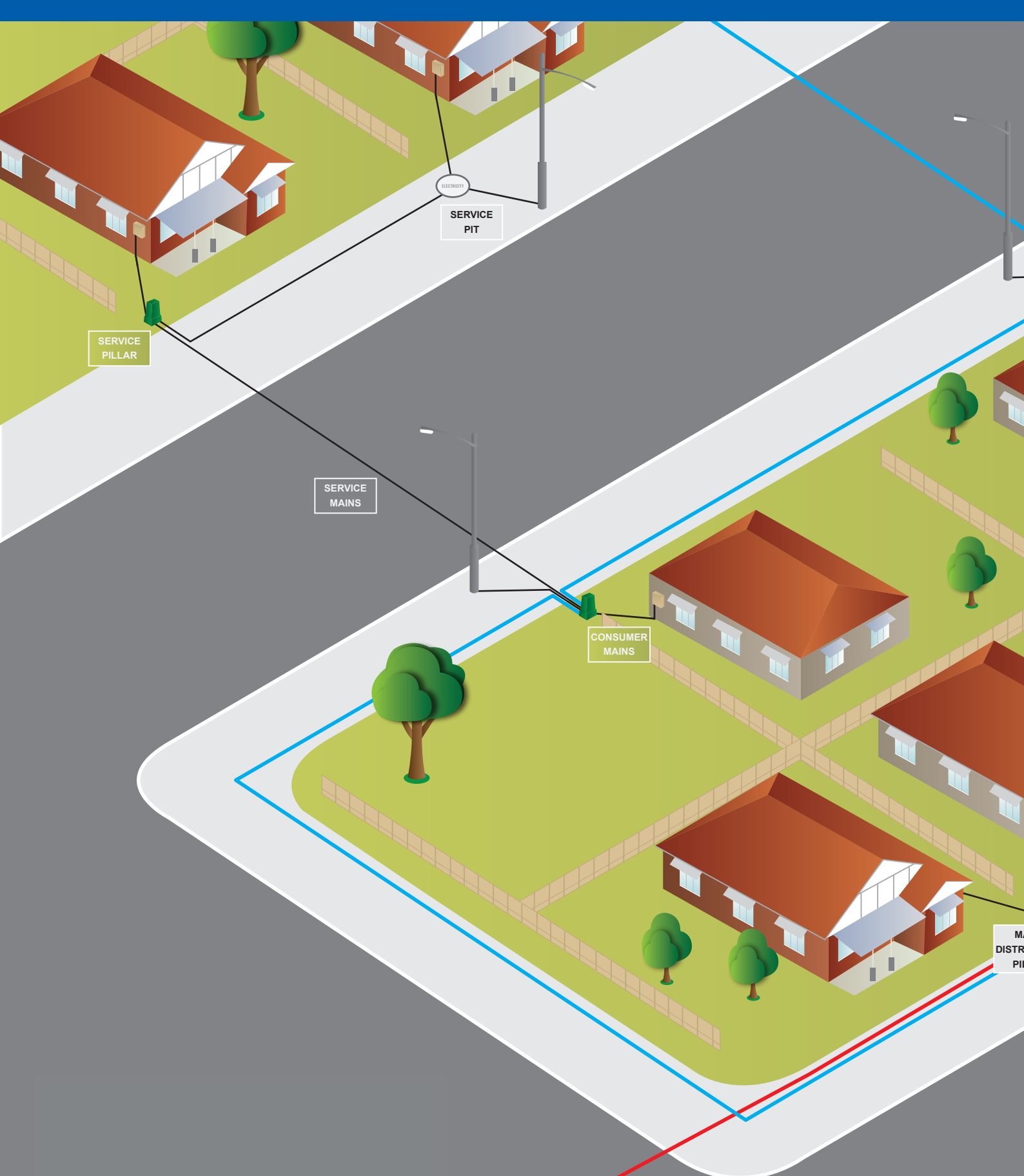
| Description                                         | Stockcode |
|-----------------------------------------------------|-----------|
| 400A SWITCH/FUSE MODULE, 3 PHASE - CAT 2 FUSESTRIP  | 07397     |
| ADAPTOR KIT, SINGLE FUSESTRIP (FOR OLD LV CB FRAME) | 04239     |
| ADAPTOR KIT, 3 FUSESTRIPS (FOR OLD LV CB FRAME)     | 04240     |
| STREETLIGHT CONTROL POINT - SINGLE PHASE - KIOSK    | 02137     |
| STREETLIGHT CONTROL POINT - 3 PHASE - KIOSK         | 02185     |
| STREETLIGHT RELAY, 1050HZ                           | 02548     |
| TX LV BUSHING COVER - 500KVA                        | 03532     |
| TX LV BUSHING COVER - 1000KVA, 1500KVA              | 03353     |



# Labels

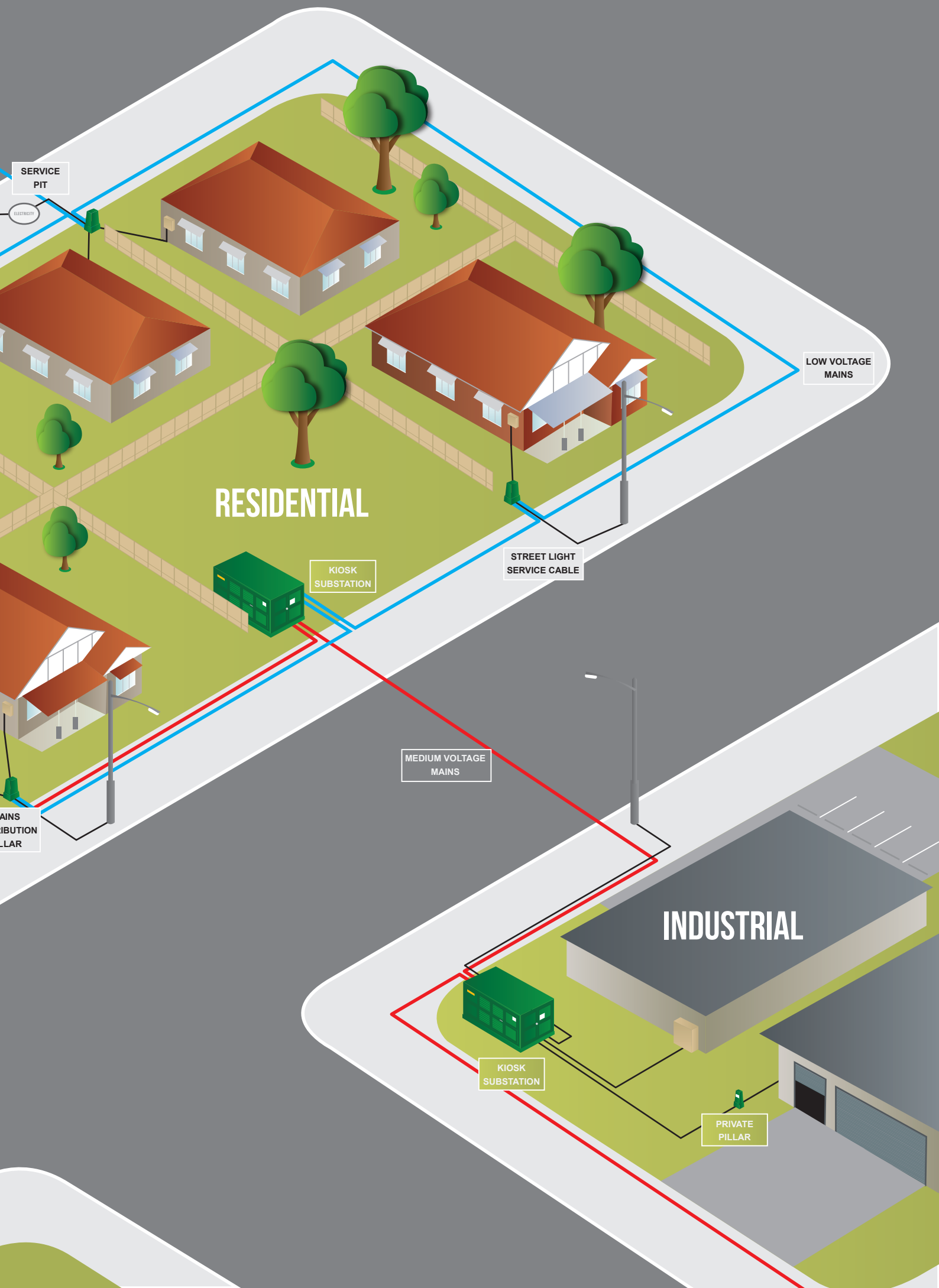
| Description                                     | Stockcode |
|-------------------------------------------------|-----------|
| LABEL, DANGER HIGH VOLTAGE - SHEET OF 10        | 02580     |
| NUMERAL, "0" BLACK ON WHITE - SHEET OF 30       | 00206     |
| NUMERAL, "1" BLACK ON WHITE - SHEET OF 30       | 00164     |
| NUMERAL, "2" BLACK ON WHITE - SHEET OF 30       | 00198     |
| NUMERAL, "3" BLACK ON WHITE - SHEET OF 30       | 00199     |
| NUMERAL, "4" BLACK ON WHITE - SHEET OF 30       | 00200     |
| NUMERAL, "5" BLACK ON WHITE - SHEET OF 30       | 00201     |
| NUMERAL, "6" OR "9"BLACK ON WHITE - SHEET OF 30 | 00202     |
| NUMERAL, "7" BLACK ON WHITE - SHEET OF 30       | 00203     |
| NUMERAL, "8" BLACK ON WHITE - SHEET OF 30       | 00204     |
| LETTER, "M" RED ON WHITE - SHEET OF 30          | 00542     |
| EDGE SEALANT                                    | 00165     |





# Typical utility underground network





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