



All Round
Supplies

Endeavour Energy

Kiosk Substations

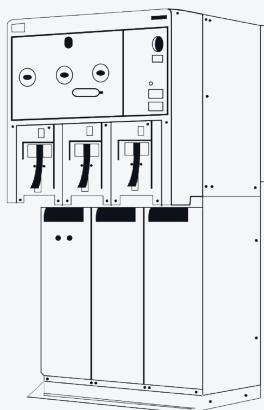
Version 1

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

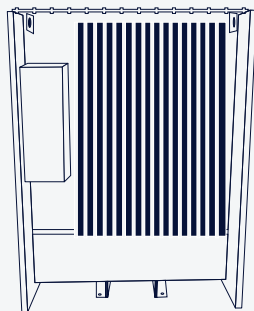
TRANSFORMERS

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

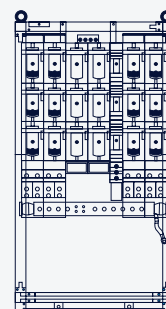
Our low voltage switchgear follows three switch/fuse configurations:

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

Categories:

Cat 1 = 940A

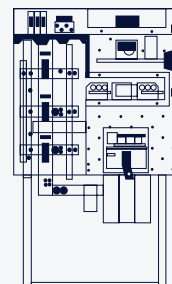
Cat 2 = 1590A



CIRCUIT BREAKER CONFIGURATIONS

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

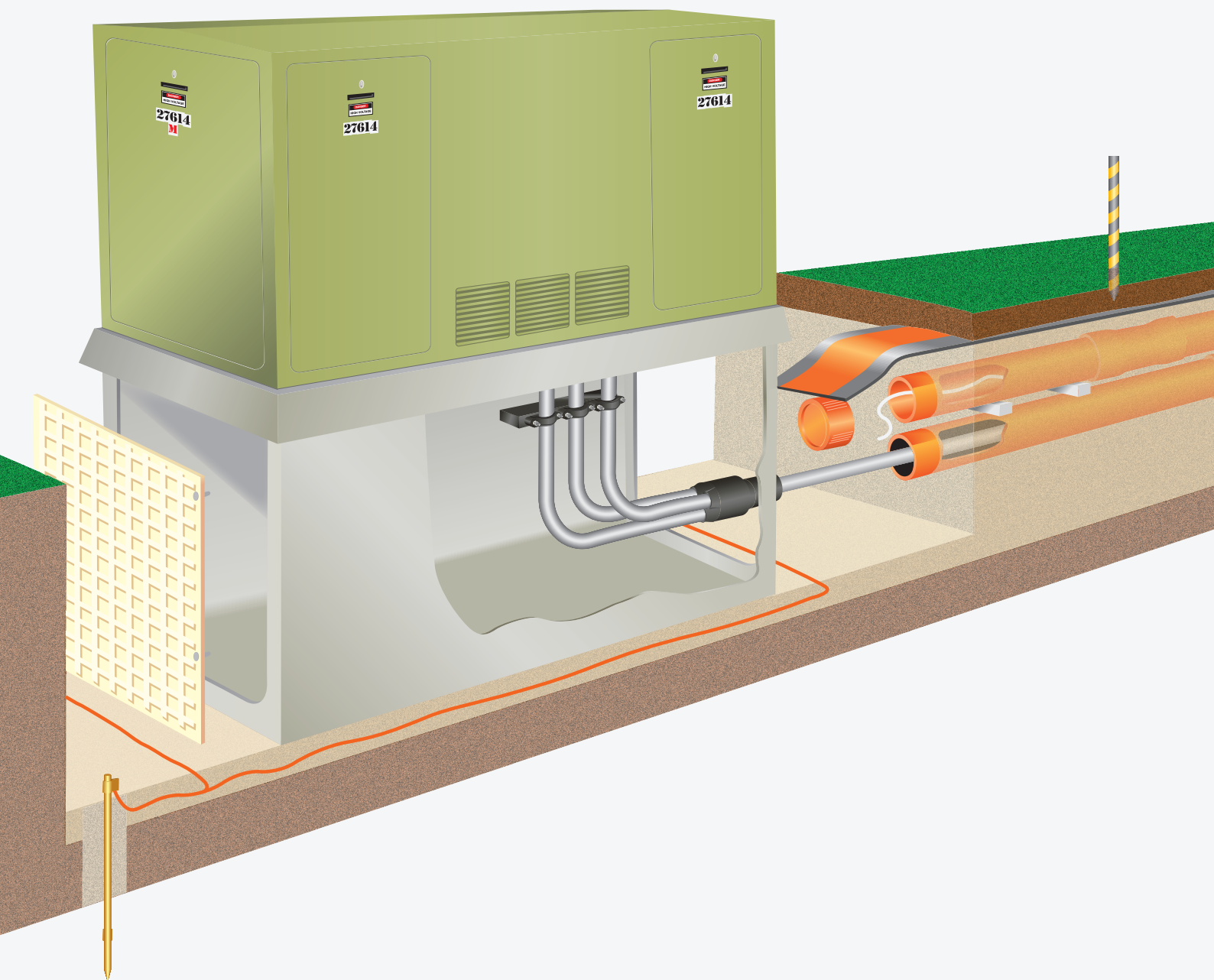
- Type 1** 1250A CB (+F, +FF)
- Type 2** 2500A CB (+F, +FF)
- Type 3** 3200A CB (+F, +FF)
- Type 4** 2 x 1250A CB



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

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

Kiosk Substations for Endeavour Energy



Delivery

Pricing includes delivery to site.



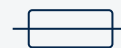
Unloading

Unloading can be arranged if required.



Traffic

Pricing excludes traffic control.



Fuses

MV and LV fuses included. Please give us the LV fuse rating when you order.

Kiosk Substations

11kV/433V 315kVA kiosks

Description	Stockcode
11kV 315kVA RT FFIFF CAT 1	09235
11kV 315kVA RT FFIFF CAT 2	
11kV 315kVA RT FIF CAT 2	
11kV 315kVA RT 1250A CB	
11kV 315kVA RT 1250A CB +F	09487
11kV 315kVA RT 1250A CB +FF	
11kV 315kVA RTR FFIFF CAT 1	09223
11kV 315kVA RTR FFIFF CAT 2	09222
11kV 315kVA RTR FIF CAT 2	09584
11kV 315kVA RTR 1250A CB	09925
11kV 315kVA RTR 1250A CB +F	09237
11kV 315kVA RTR 1250A CB +FF	09224
11kV 315kVA RTRR FFIFF CAT 1	10331
11kV 315kVA CFCC FFIFF CAT 1	09483
11kV 315kVA CFCC FFIFF CAT 2	10315
11kV 315kVA CFCC FIF CAT 2	
11kV 315kVA CFCC 1250A CB	10083
11kV 315kVA CFCC 1250A CB +F	
11kV 315kVA CFCC 1250A CB +FF	

11kV/433V 500kVA kiosks

Description	Stockcode
11kV 500kVA RT FFIFF CAT 1	
11kV 500kVA RT FFIFF CAT 2	
11kV 500kVA RT FIF CAT 2	
11kV 500kVA RT CB 1250	
11kV 500kVA RT CB 1250 + F	10332
11kV 500kVA RT CB 1250 + FF	
11kV 500kVA RTR FFIFF CAT 1	09152
11kV 500kVA RTR FFIFF CAT 2	09185
11kV 500kVA RTR FIF CAT 2	09919
11kV 500kVA RTR 1250A CB	09553
11kV 500kVA RTR 1250A CB +F	09488
11kV 500kVA RTR 1250A CB +FF	09194
11kV 500kVA CFCC FFIFF CAT 1	09186
11kV 500kVA CFCC FFIFF CAT 2	09654
11kV 500kVA CFCC FIF CAT 2	
11kV 500kVA CFCC 1250A CB	09485
11kV 500kVA CFCC CB 1250 +F	09724
11kV 500kVA CFCC CB 1250 +FF	09206

11kV/433v 1000kVA kiosks

Description	Stockcode
11kV 1000kVA RT CB 2500A CB	10328
11kV 1000kVA RTR FFIFF CAT 1	
11kV 1000kVA RTR FFIFF CAT 2	09219
11kV 1000kVA RTR FIF CAT 2	
11kV 1000kVA RTR 1250A CB	
11kV 1000kVA RTR 1250A CB +F	
11kV 1000kVA RTR 1250A CB +FF	09577
11kV 1000kVA RTR 2 x 1250A CB	10006
11kV 1000kVA RTR 2500A CB	09375
11kV 1000kVA RTR 2500A CB +F	09486
11kV 1000kVA RTR 2500A CB +FF	09187
11kV 1000kVA CFCC FFIFF CAT1	
11kV 1000kVA CFCC FFIFF CAT 2	09231
11kV 1000kVA CFCC FIF CAT 2	
11kV 1000kVA CFCC 1250A CB	
11kV 1000kVA CFCC 1250A CB +F	
11kV 1000kVA CFCC 1250A CB +FF	09576
11kV 1000kVA CFCC 2 x 1250A CB	
11kV 1000kVA CFCC 2500A CB	09788
11kV 1000kVA CFCC 2500A CB +F	10330
11kV 1000kVA CFCC 2500A CB +FF	09190

11kV/433v 1500kVA kiosks

Description	Stockcode
11kV 1500kVA RLR 3200A CB	09899
11kV 1500kVA RLR 3200A CB +F	09944
11kV 1500kVA RLR 3200A CB +FF	09236

11kV/22kV interconnection

Description	Stockcode
11kV/22kV 3000kVA RLR/RLR	09757

Please advise the LV fuse rating required when ordering.

Kiosk Substations

22kV/433V 315kVA kiosks

Description	Stockcode
22kV 315kVA RTR FFIFF CAT 1	10002
22kV 315kVA RTR FFIFF CAT 2	
22kV 315kVA RTR FIF CAT 2	
22kV 315kVA RTR 1250A CB	
22kV 315kVA RTR 1250A CB +F	
22kV 315kVA RTR 1250A CB +FF	
22kV 315kVA RTRR FFIFF CAT 1	
22kV 315kVA RTRR FFIFF CAT 2	
22kV 315kVA RTRR FIF CAT 2	
22kV 315kVA RTRR 1250A CB	
22kV 315kVA RTRR 1250A CB +F	
22kV 315kVA RTRR 1250A CB +FF	

22kV/433V 500kVA kiosks

Description	Stockcode
22kV 500kVA RTR FFIFF CAT 1	
22kV 500kVA RTR FFIFF CAT 2	
22kV 500kVA RTR FIF CAT 2	
22kV 500kVA RTR 1250A CB	09646
22kV 500kVA RTR 1250A CB +F	
22kV 500kVA RTR 1250A CB +FF	
22kV 500kVA RTRR FFIFF CAT 1	09923
22kV 500kVA RTRR FFIFF CAT 2	
22kV 500kVA RTRR FIF CAT 2	
22kV 500kVA RTRR 1250A CB	
22kV 500kVA RTRR 1250A CB +F	
22kV 500kVA RTRR 1250A CB +FF	



22kV/433V 1000kVA kiosks

Description	Stockcode
22kV 1000kVA RTR FFIFF CAT 1	
22kV 1000kVA RTR FFIFF CAT 2	09667
22kV 1000kVA RTR FIF CAT 2	
22kV 1000kVA RTR 1250A CB	
22kV 1000kVA RTR 1250A CB +FF	
22kV 1000kVA RTR 2500A CB	09961
22kV 1000kVA RTR 2500A CB +F	09658
22kV 1000kVA RTR 2500A CB +FF	09734
22kV 1000kVA RTRR FFIFF CAT 1	
22kV 1000kVA RTRR FFIFF CAT 2	
22kV 1000kVA RTRR FIF CAT 2	
22kV 1000kVA RTRR 1250A CB	
22kV 1000kVA RTRR 1250A CB +F	
22kV 1000kVA RTRR 1250A CB +FF	
22kV 1000kVA RTRR 2500A CB	
22kV 1000kVA RTRR 2500A CB +F	
22kV 1000kVA RTRR 2500A CB +FF	09749

22kV/433V 1500kVA kiosks

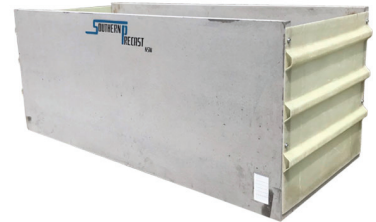
Description	Stockcode
22kV 1500kVA RLR 3200A CB	10306
22kV 1500kVA RLR 3200A CB +F	10307
22kV 1500kVA RLR 3200A CB +FF	10308

Please advise the LV fuse rating required when ordering.

Kiosk Accessories

Culverts

Description	Stockcode
KIOSK SUBSTATION CULVERT	00163
KIOSK SUBSTATION CULVERT	09920
KIOSK SUBSTATION END PIT	08614



LV termination kits

Description	Stockcode
TERMINATION KIT, 240MM ² 4C AL XLPE - CAT 1	A0004
TERMINATION KIT, 240MM ² 4C AL XLPE - CAT 2	A0005



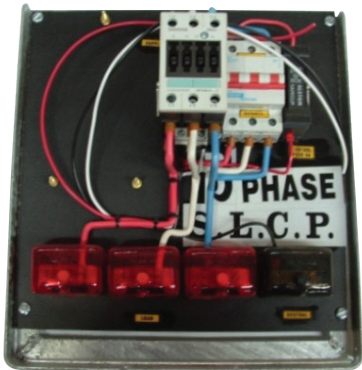
MV termination kits

Description	Stockcode
630AMP AUSTRALMOLD ELBOWS POWERJOINT TRIFURCATION KIT & FLOATING CLAMP 11/22KV 120-300MM ² 3C XLPE	A0003
630AMP AUSTRALMOLD ELBOWS TE TRIFURCATION KIT & FLOATING CLAMP 11/22KV 120-300MM ² 3C XLPE	A1214
630AMP AUSTRALMOLD ELBOWS NKT TRIFURCATION KIT & FLOATING CLAMP 11/22KV 120-300MM ² 3C XLPE	A3712
630AMP TE ELBOWS POWERJOINT TRIFURCATION KIT & FLOATING CLAMP 11/22KV 185-300MM ² 3C XLPE	A1050
630AMP TE ELBOWS TE TRIFURCATION KIT & FLOATING CLAMP 11/22KV 185-300MM ² 3C XLPE	A1215
630AMP TE ELBOWS NKT TRIFURCATION KIT & FLOATING CLAMP 11/22KV 185-300MM ² 3C XLPE	A3711
630AMP INLINE CONNECTORS WITH NKT TRIFURCATION KIT AND FLOATING CLAMP FOR ABB SAFELINK SWITCHGEAR: 11KV 240-300MM ² 3C XLPE	A3667
630AMP INLINE CONNECTORS WITH TE TRIFURCATION KIT AND FLOATING CLAMP FOR ABB SAFELINK SWITCHGEAR: 11KV 240-300MM ² 3C XLPE	A3792
630AMP INLINE CONNECTORS WITH POWERJOINT TRIFURCATION KIT AND FLOATING CLAMP FOR ABB SAFELINK SWITCHGEAR: 11KV 240-300MM ² 3C XLPE	A3793



Street light control points

Description	Stockcode
STREETLIGHT CONTROL POINT - SINGLE PHASE - KIOSK	02137
STREETLIGHT CONTROL POINT - 3 PHASE - KIOSK	02185
STREETLIGHT RELAY, 1050HZ	02548

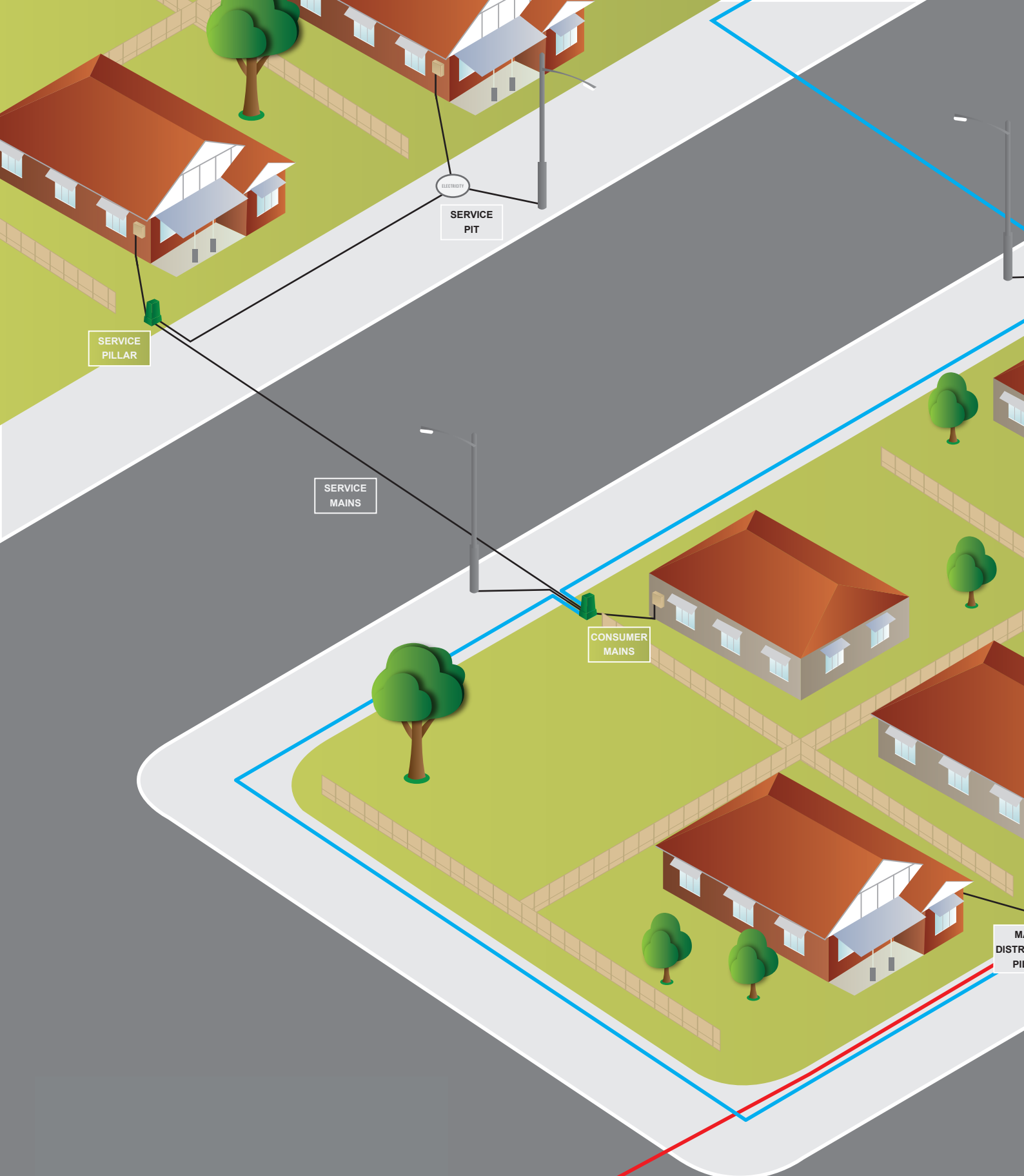


Labels

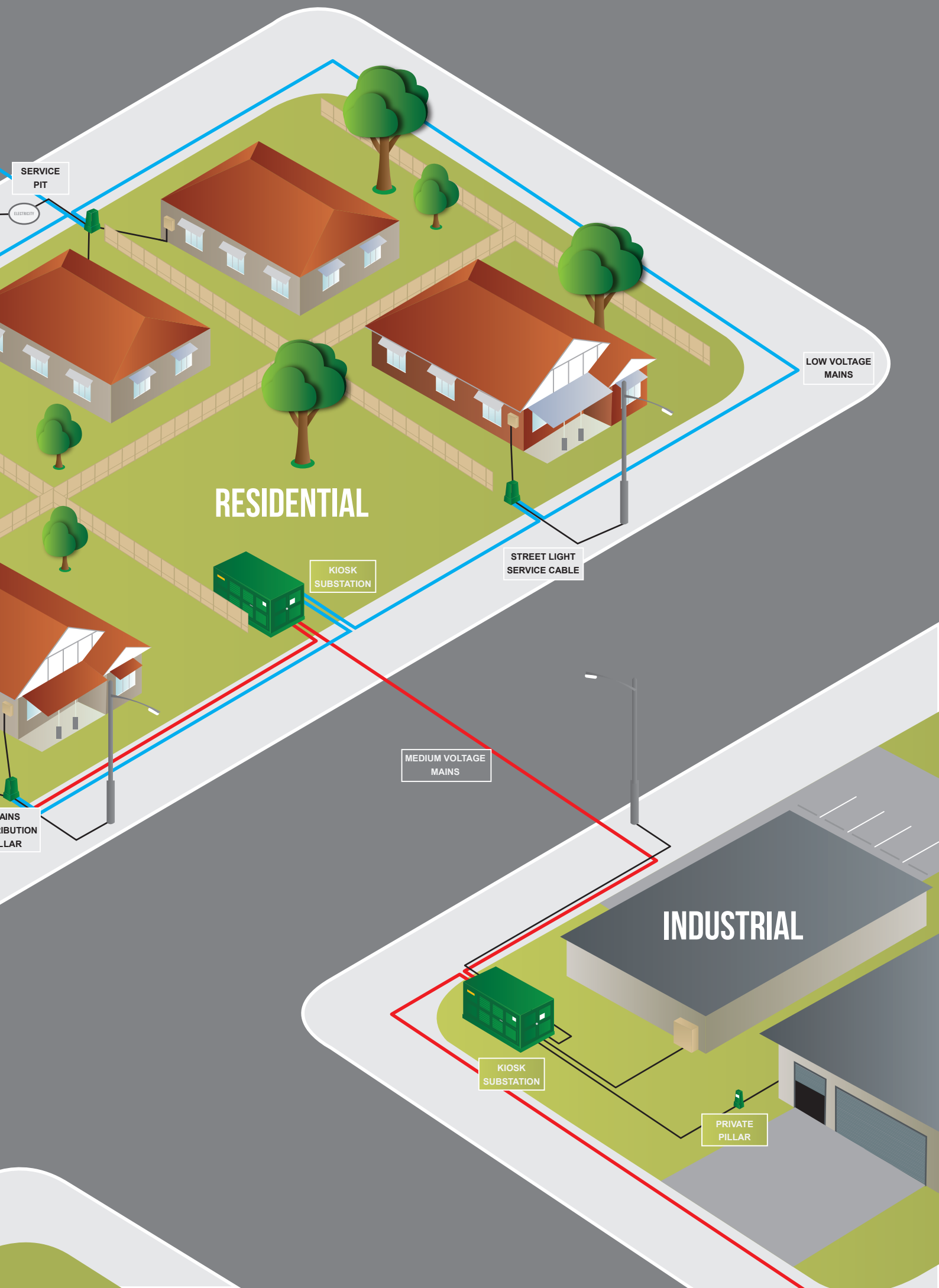
Black on white, sheets of 30

Description	Stockcode
Numeral 0	00206
Numeral 1	00164
Numeral 2	00198
Numeral 3	00199
Numeral 4	00200
Numeral 5	00201
Numeral 6	00202
Numeral 7	00203
Numeral 8	00204
Letter M, red on white	00542
'Danger High Voltage' label, sheet of 10	02580
Edge Sealant	00165





Typical utility
underground network



SERVICE
PIT

ELECTRICITY

LOW VOLTAGE
MAINS

RESIDENTIAL

KIOSK
SUBSTATION

STREET LIGHT
SERVICE CABLE

MEDIUM VOLTAGE
MAINS

MAINS
DISTRIBUTION
PILLAR

INDUSTRIAL

KIOSK
SUBSTATION

PRIVATE
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