



All Round
Supplies

Endeavour Energy

Chamber Substations

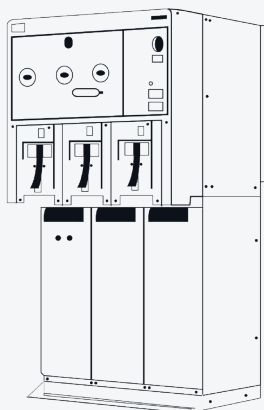
Version 1

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

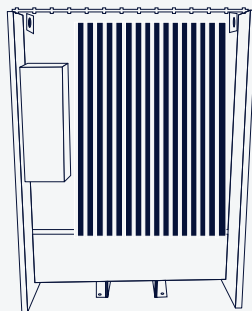
TRANSFORMERS

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:

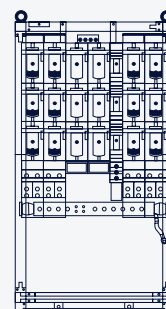
FFIFF fuse, fuse, isolator, fuse, fuse

FIF fuse, isolator, fuse

Categories:

Cat 1 = 940A

Cat 2 = 1590A



CIRCUIT BREAKER CONFIGURATIONS

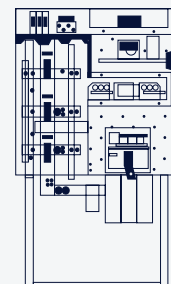
Our low voltage switchgear has four types of circuit breaker configurations:

Type 1 1250A CB (+F, +FF)

Type 2 2500A CB (+F, +FF)

Type 3 3200A CB (+F, +FF)

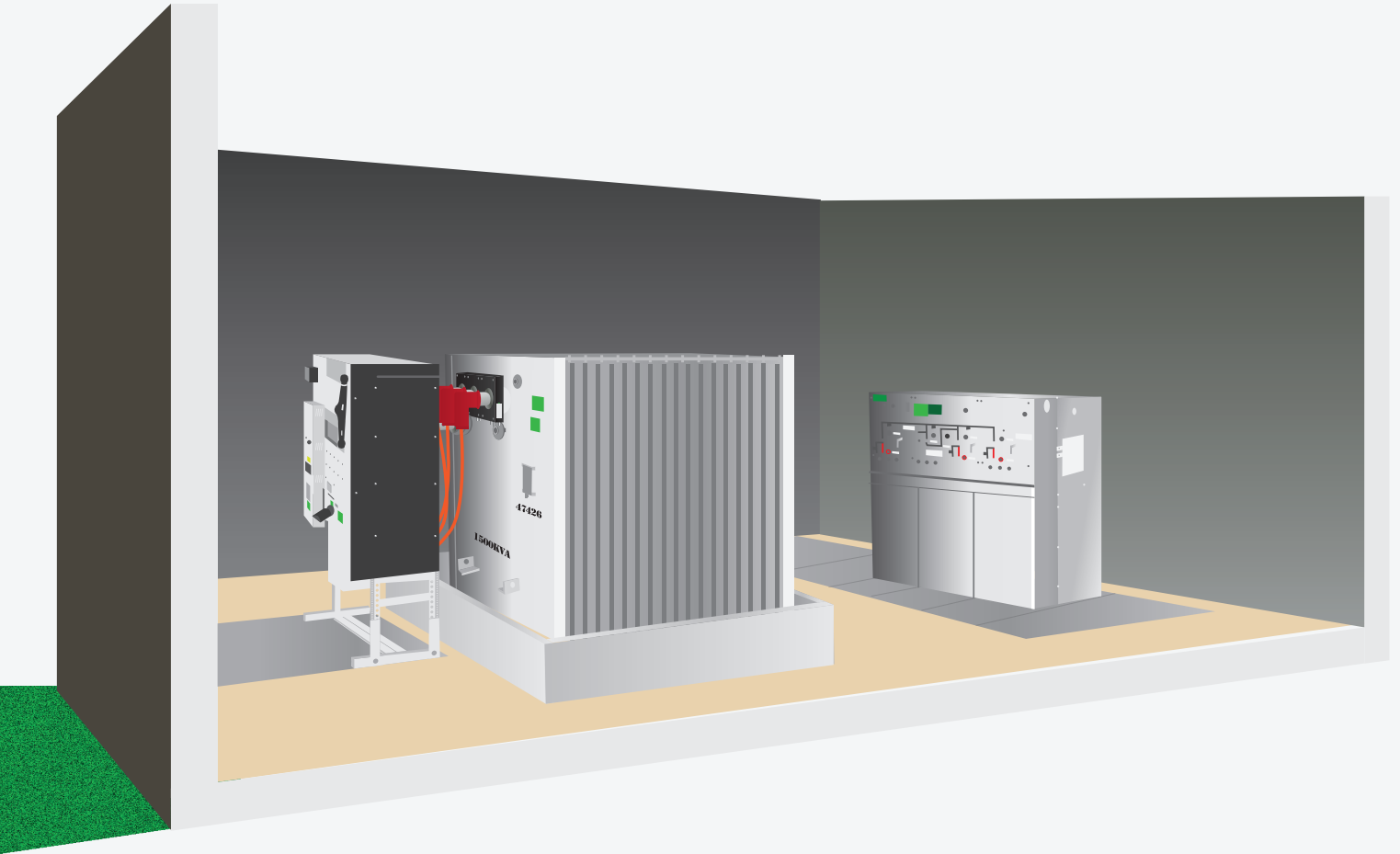
Type 4 2 x 1250A CB



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

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

Chamber Substations for Endeavour Energy



*We are a one-stop-shop for
project, safety and tooling
products, providing our
customers with the most
extensive range of products in
the industry, excellent value
and knowledgeable service.*

Components

MV switchgear

(Cables to TX **not** included)

Description	Switchgear Type		Stockcode
11/22KV, SWITCH - FUSE	Siemens	8DJH-RT	TBA
11/22KV, SWITCH - FUSE - SWITCH	Siemens	8DJH-RTR	TBA
11KV, SWITCH - FUSE - SWITCH	ABB	Safelink CFC	02263
11/22KV, SWITCH - FUSE - SWITCH - SWITCH	Siemens	8DJH-RTRR	10006
11KV, SWITCH - FUSE - SWITCH - SWITCH	ABB	Safelink CFCC	02264
11/22KV, SWITCH - CB	Siemens	8DJH-RL	TBA
11/22KV, SWITCH - CB - SWITCH	Siemens	8DJH-RLR	09167
11/22KV, SWITCH - CB - SWITCH - SWITCH	Siemens	8DJH-RLRR	TBA

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
400A Switch/fuse Module, 3 phase - Category 2	Fusestrip	07397

Components

MV lead set materials

Description	Stockcode
CABLE 22KV 1C 25MM2 CU XLPE - 3KA SCREEN* (per meter)	08631
CABLE 22KV 1C 70MM2 CU XLPE - 10KA SCREEN* (per meter)	08632
200A ELBOW KIT 25-95MM2 - 3 PHASE KIT	07080
630A ELBOW KIT 120-300MM2 - 3 PHASE KIT	06869
LUG 16-95MM2 FOR 630A ELBOW KIT (FOR 70MM2 CABLE)	07359

*MOQ may apply



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 TRIFURCATION KIT AND FLOATING CLAMP FOR ABB SAFELINK SWITCHGEAR: 11KV 240-300MM ² 3C XLPE	A3667



MV fuses

Description	Stockcode
11KV 50A CANNISTER FUSE	TBA
11KV 63A CANNISTER FUSE	TBA
11KV 100A CANNISTER FUSE	TBA
22KV 25A CANNISTER FUSE	TBA
22KV 31.5A CANNISTER FUSE	TBA
22KV 50A CANNISTER FUSE	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

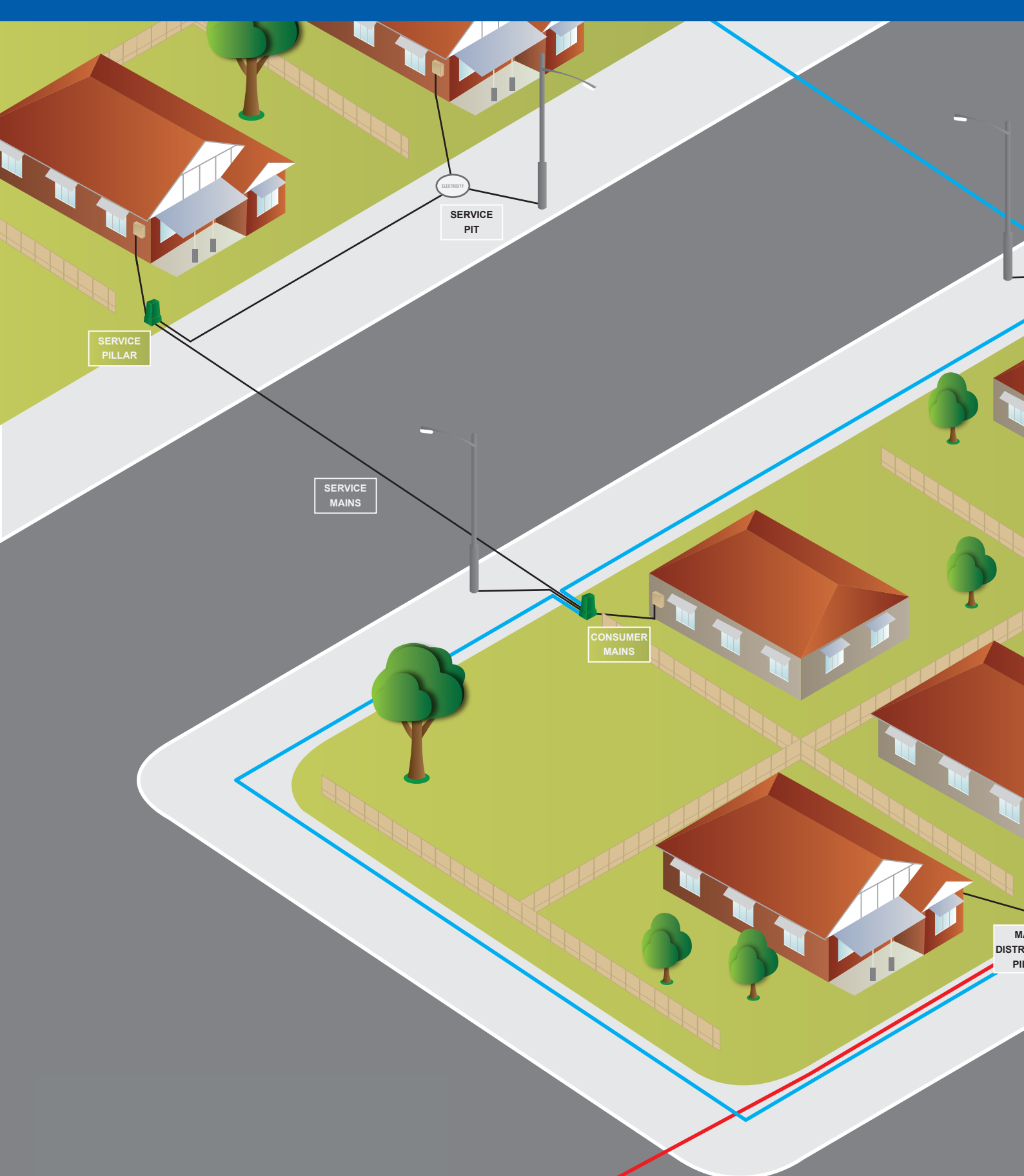


Other equipment

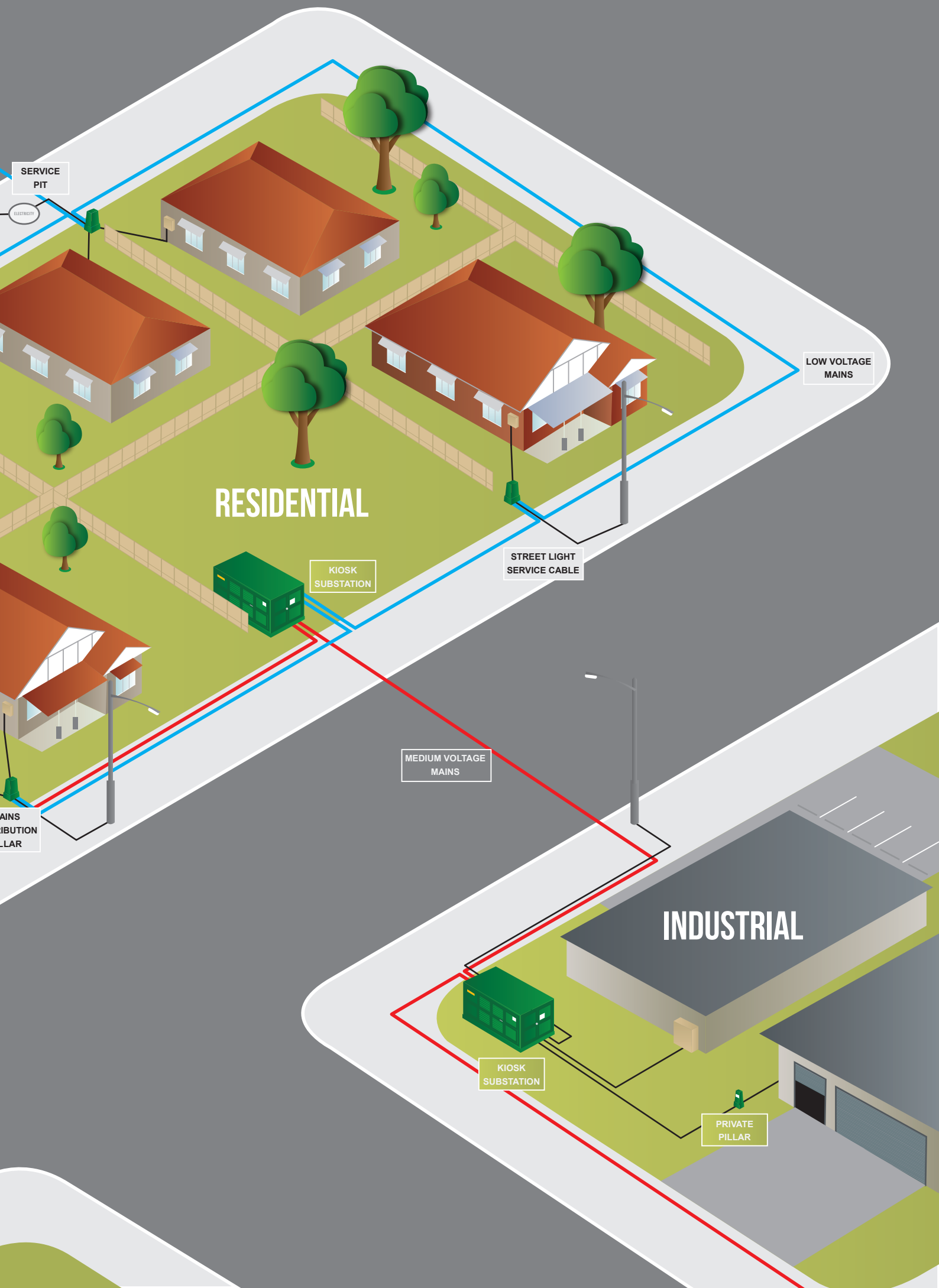
Description	Stockcode
BUNDWALL	02148
TELCON LEAD STAND	02226
EARTH BAR	03028
CABLE CLAMP FOR TELCON LEAD STAND	06719
SIKAFLEX SEALANT	02937
TX LV BUSHING COVER - 500KVA	03532
TX LV BUSHING COVER - 1000KVA, 1500KVA	03353
EMERCLAD PAINT	02178



Note: Trench mounting brackets for HV switchgear and trench plates not supplied by ARS



Typical utility underground network



SERVICE
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