



Prolec Celeco Components

10-Feb-25

prolec[®]
celeco



Prolec Celeco is a Xignux company with more than 50 years in the electric power industry.



Our Business Model

To deliver more competitive solutions for our clients, we base ourselves on seeking excellence and trust in all operations of our business.



Xignux Group Structure



Sales \$2.5 Billions in sales & 9,000 energizers



Qualtia. CARNES FRÍAS Qualtia. LÁCTEOS Qualtia. PROTEÍNA DE RES

Qualtia.

Qualtia. FOOD SOLUTIONS

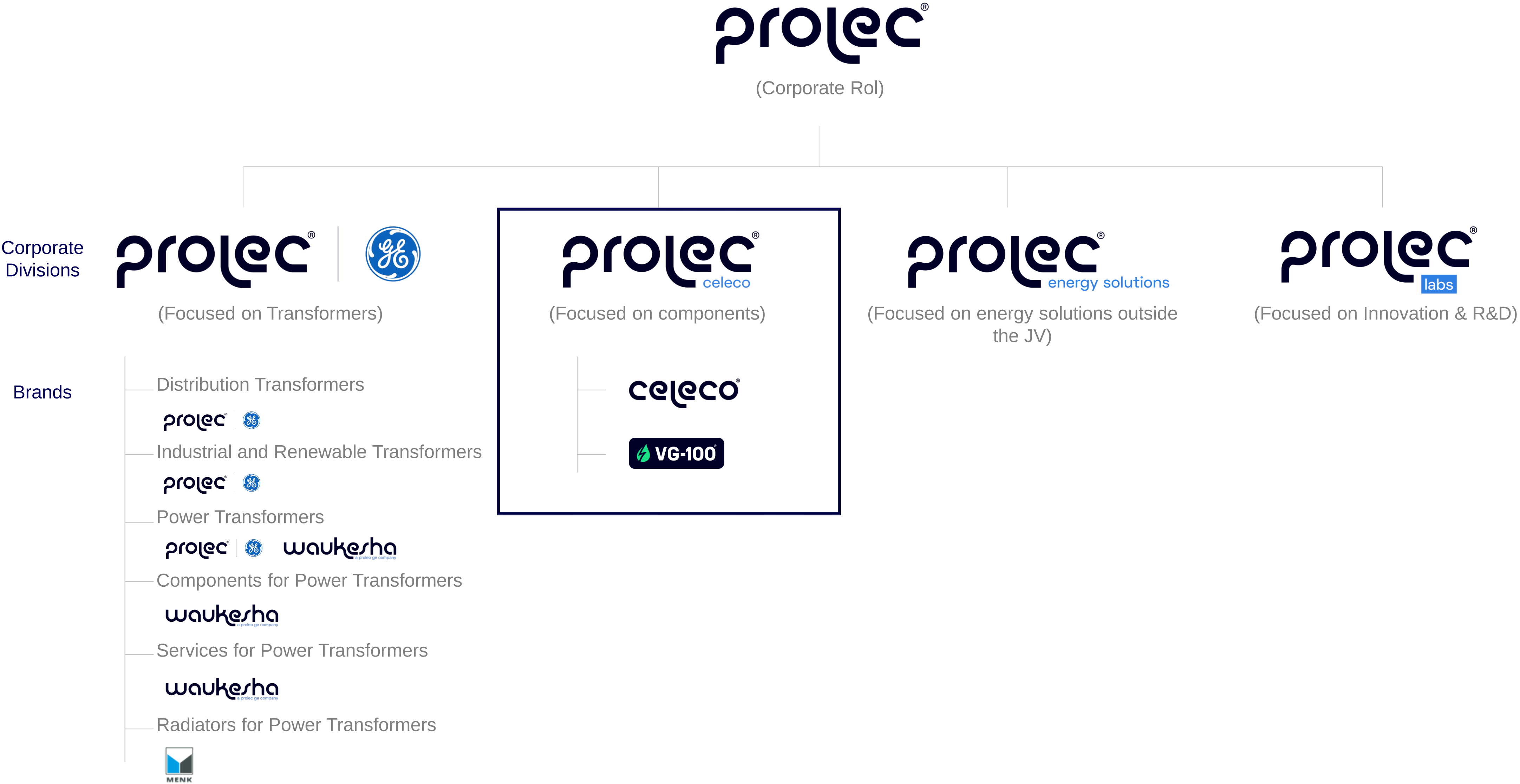


ZANILAST+ rhinöx



Sales \$6.4 Billions in sales & 32,000 energizers

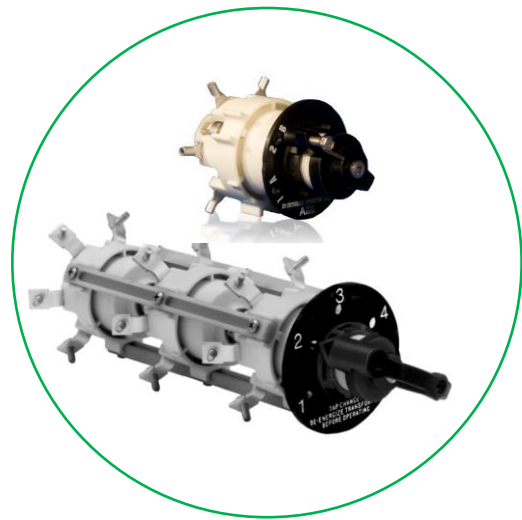
Prolec Group Structure



Products under development for 2025/2026



No Load Tap Changers



Fuses



Expulsión and Partial
Range Current Limiting

Arrester



Bushings



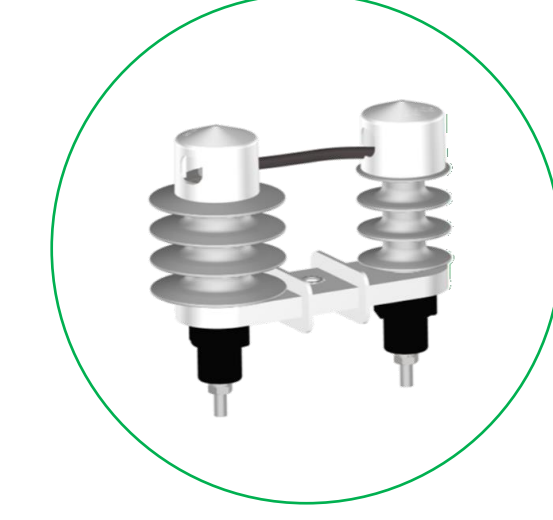
Transformer Components



Gap Arrester



Dual Arrester



Line Post

15 kV, 25kV, 38 kV & 46kV



Suspension Insulators

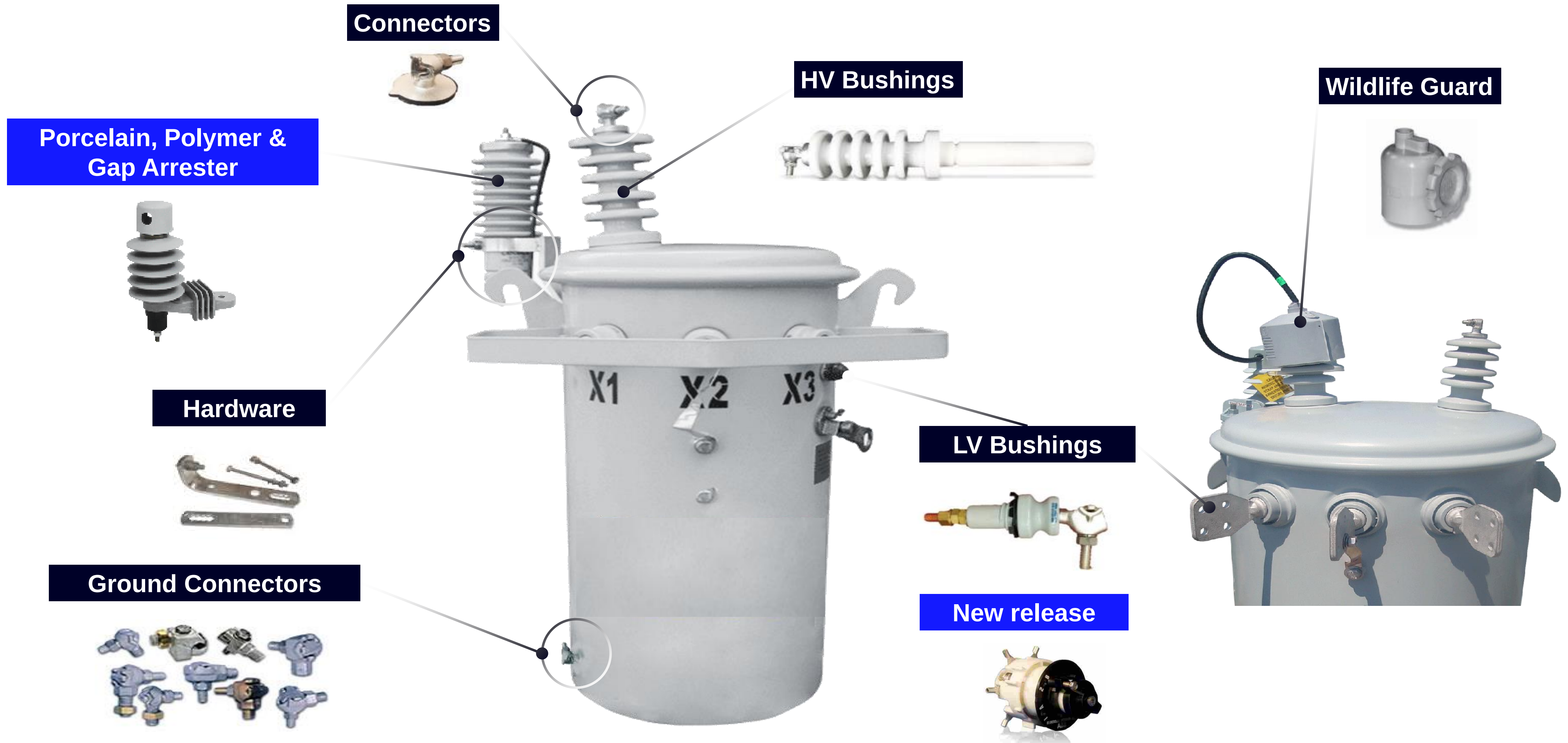
Distribution 15 kV , 25kV & 38 kV
Transmission: 115 kV & 138 kV



Distribution Cutout

Polymer & porcelain 15 kV, 25 kV & 38kV

Pole Type Transformer Components

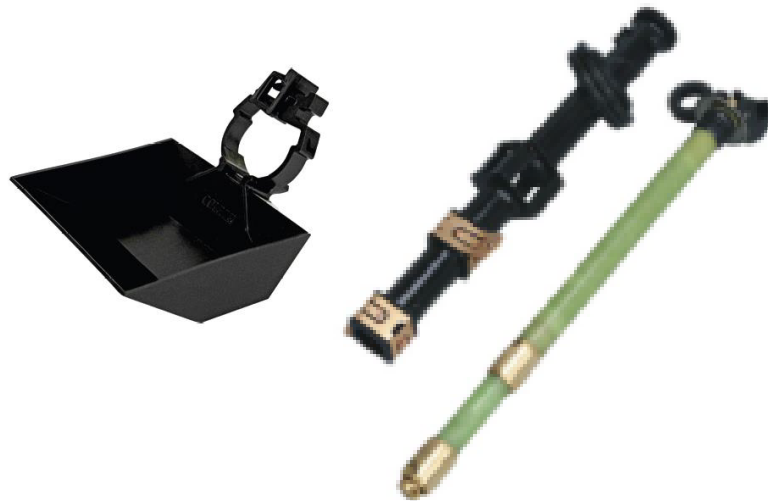


Single-Phase Pad Mounted Transformer

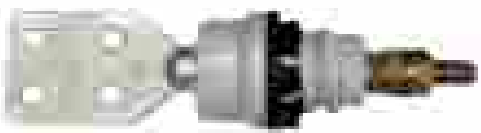


Three-Phase Pad-Mounted Transformer

Oil Drip Tray & Bayonet



LV Bushing



LV Epoxy or Polymer



Bushing Well

Celeco Manufacturing



New release



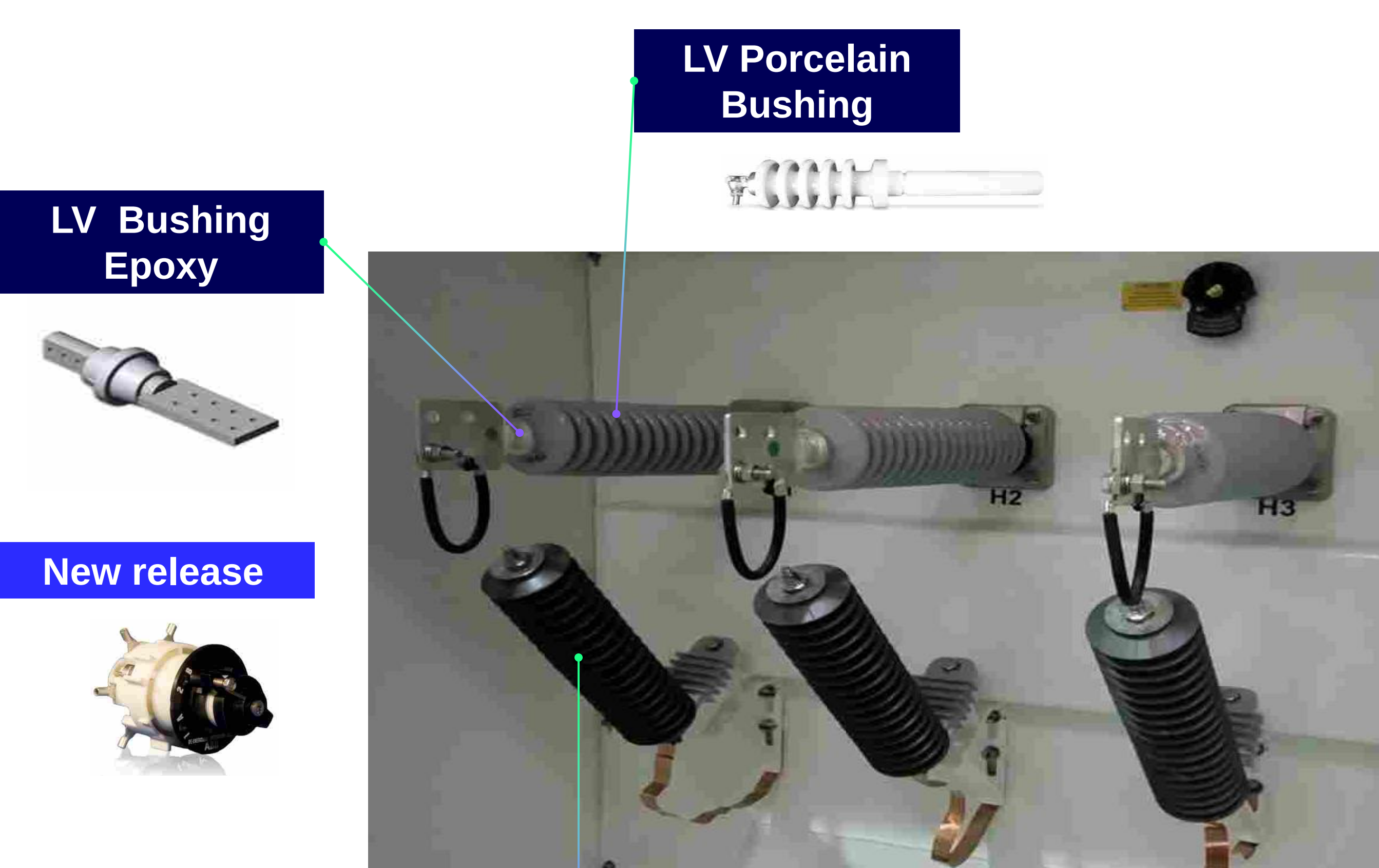
Spades



Under Development
HV Sectionalizer



Solar Type Transformer



LV Bushing Epoxy

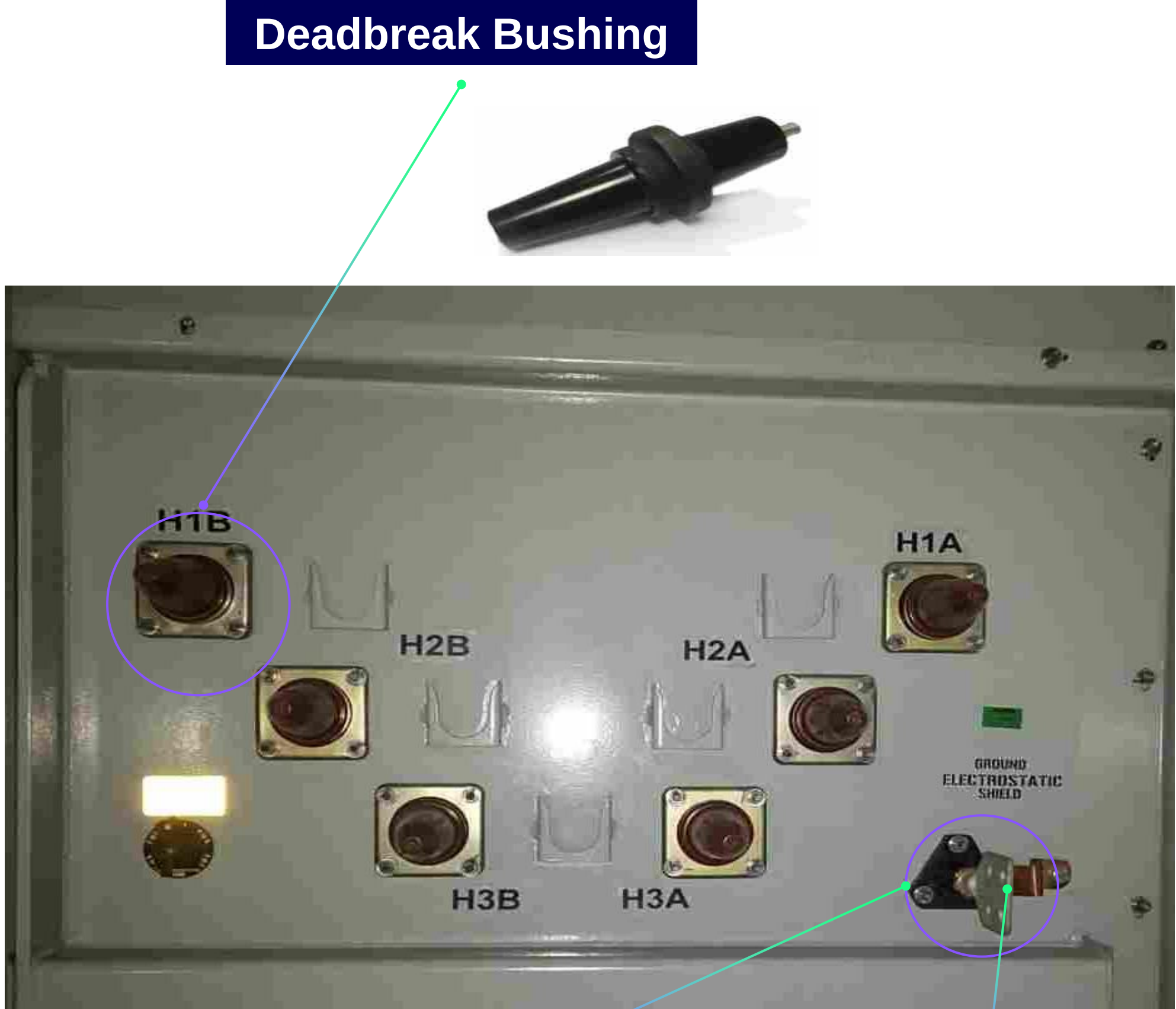
LV Porcelain Bushing

New release

Polymer Arrester

Celeco Manufacturing

Under Development HV Sectionalizer



Deadbreak Bushing

Secondary Stud

Celeco Manufacturing

Spade



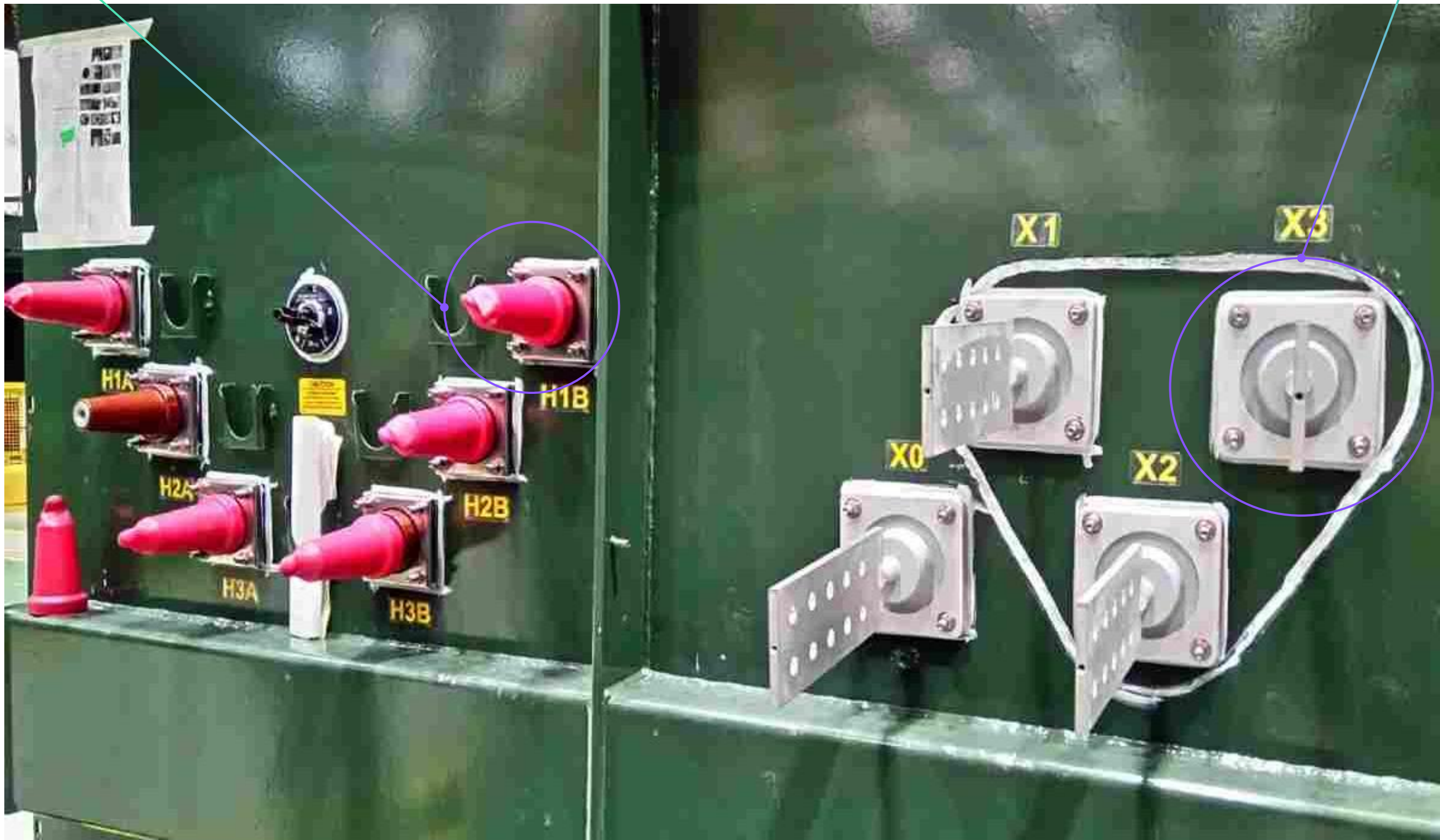
Deadbreak
Bushing



New release



Under Development
HV Sectionalizer



LV Bushing High
Current (Epoxy)



Industrial Type Transformer

HV Bushing

Celeco Manufacturing

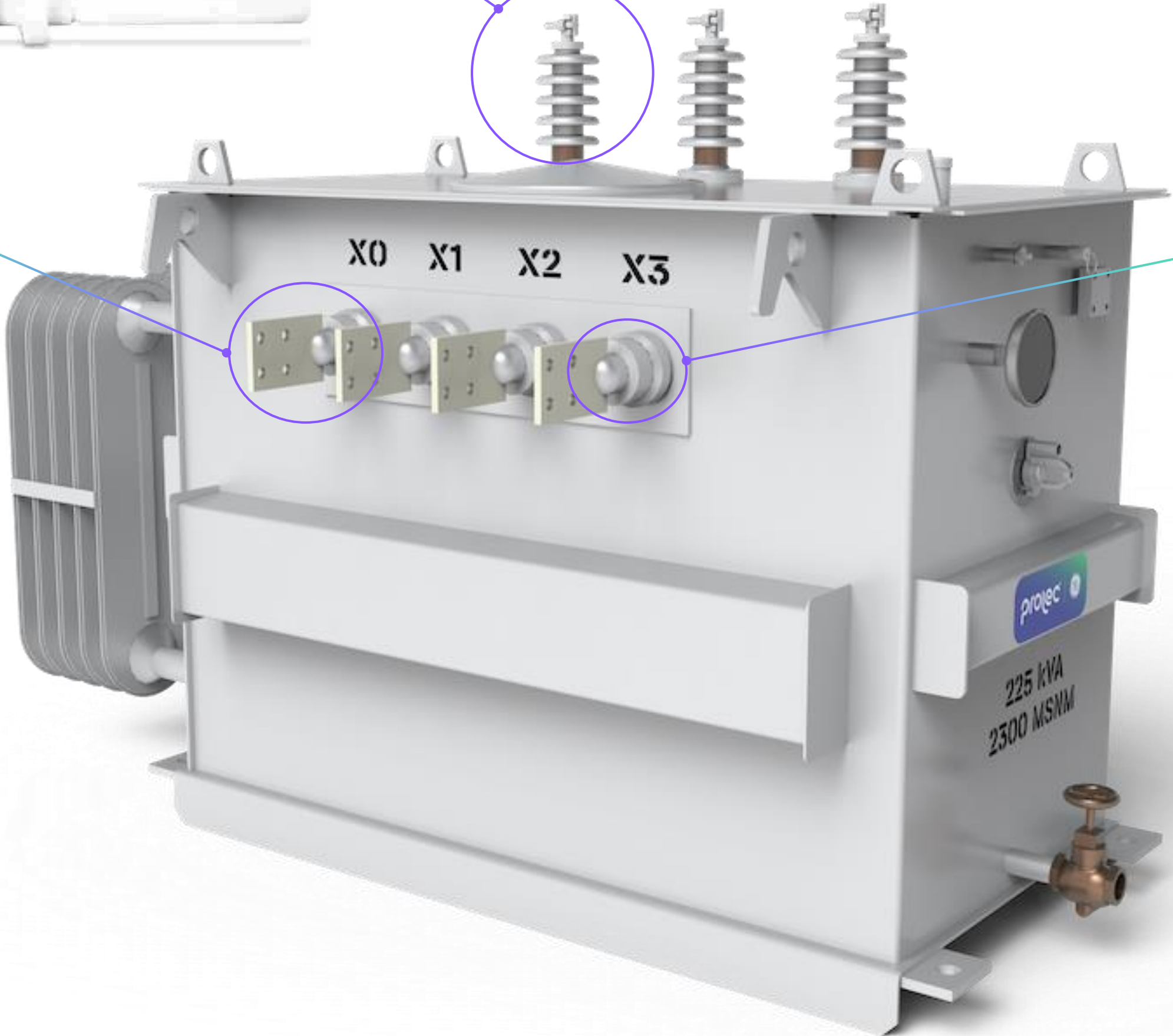


LV Porcelain Bushing

Celeco Manufacturing



LV Bushing High Current (Epoxy)





New Prolec VRC-1 Voltage Regulator Control

prolec[®]
energy solutions

Overview

The VRC-1 is a electronic device used for Tap changer control on single-phase voltage regulators.

- ✓ Provides real time monitoring of operating variables
- ✓ Determines regulator motor when to operate for tap changes (+/-16 taps and a neutral position.)
- ✓ Stores historic data that is used for engineer's analysis.
- ✓ Includes software to display relevant information and program the VRC-1 settings.

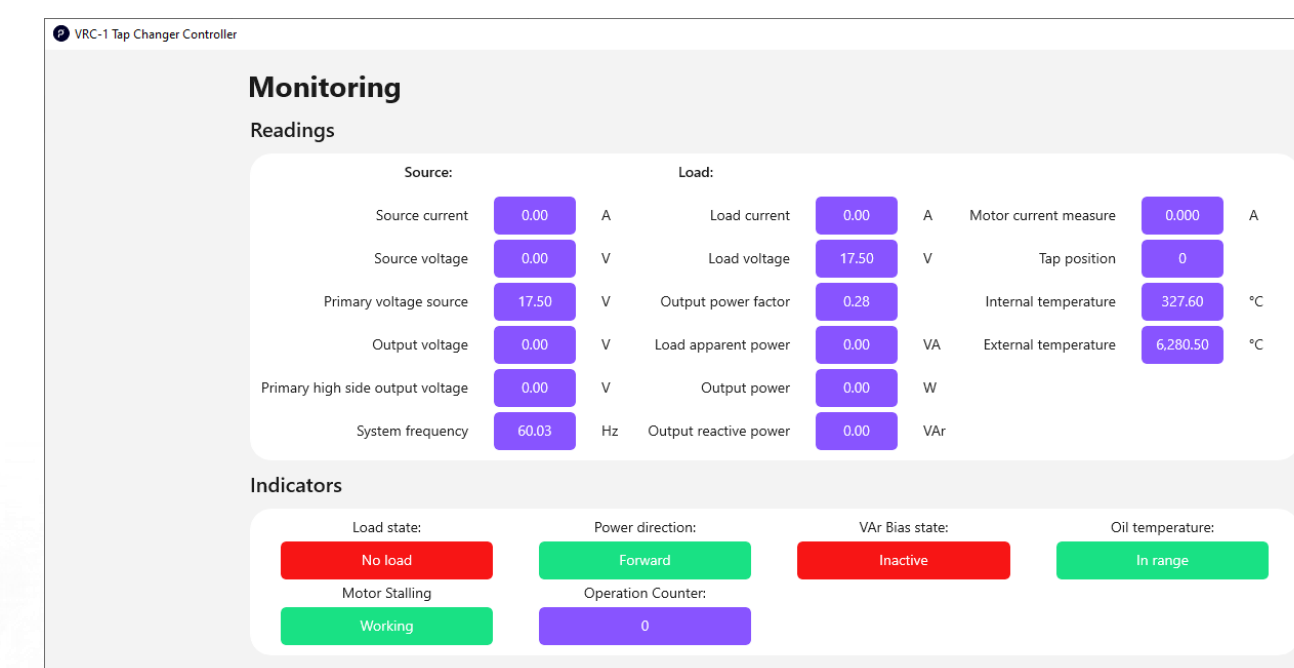
The new VRC-1 Voltage Regulator Control is the latest solution for single-phase voltage regulators, by merging years of expertise in the design and manufacturing of Prolec GE Voltage Regulators with a new intelligent device for an improved system integration.



VRC-1 Control



Prolec GE
regulator



Prolec's desktop software

VRC-1

Timeline





New Tap Changers

prolec[®]
energy solutions

Product description – No Load Tap Changers

A No Load Tap Changer allows the turn ratio of the high voltage winding in a transformer to be adjusted while the transformer is de-energized, to accommodate transmission system variations.

It's purpose is to help match the incoming primary voltage according to an equipment needs.



Characteristics:

- Externally operated rotary type switch.
- 2 to 5 positions (6 models).
- One or three decks (single or three-phase).
- Up to 36 kV.
- Manufactured with high resistance resin reinforced with fiber.
- Sealed with O-ring high temperature nitrile gasket.
- Interchangeable.

Standards

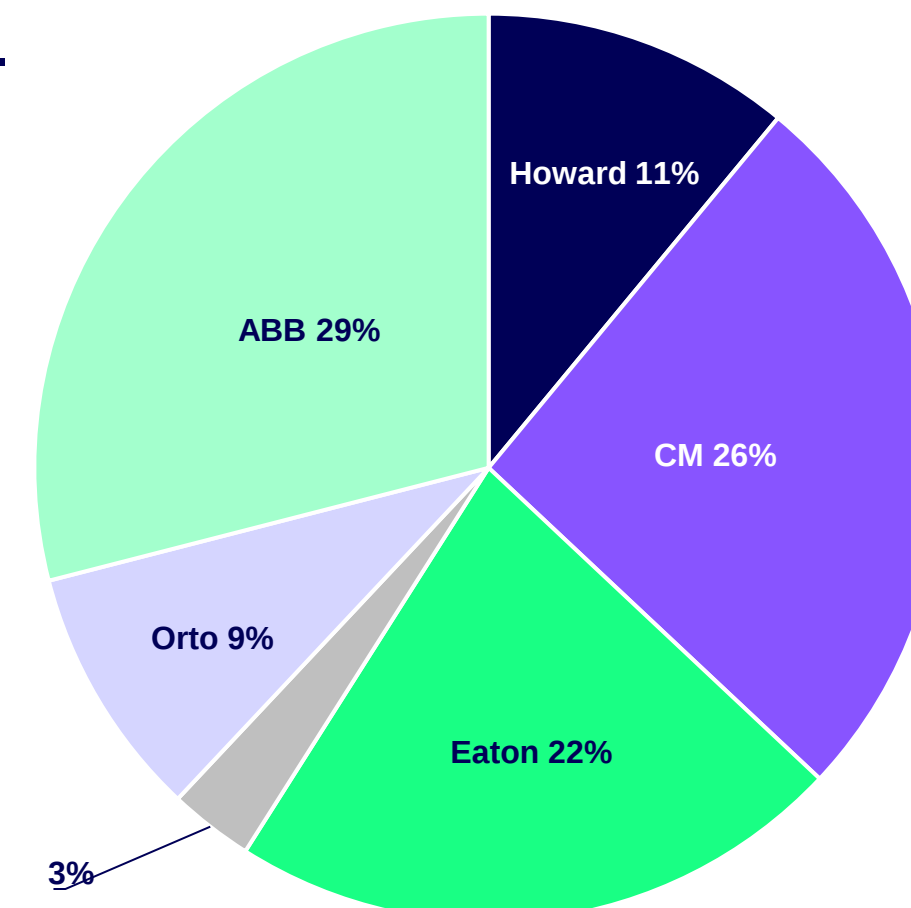
- IEEE Std. C57.12.00-2021

Residential

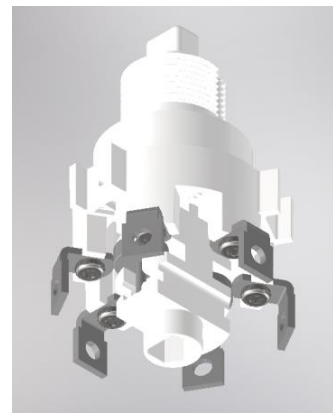
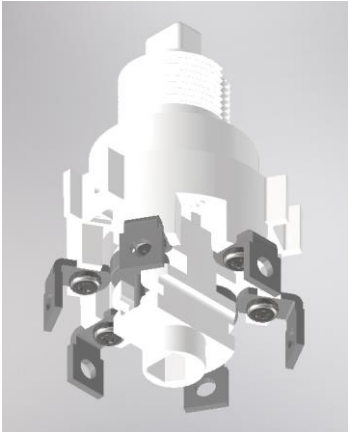
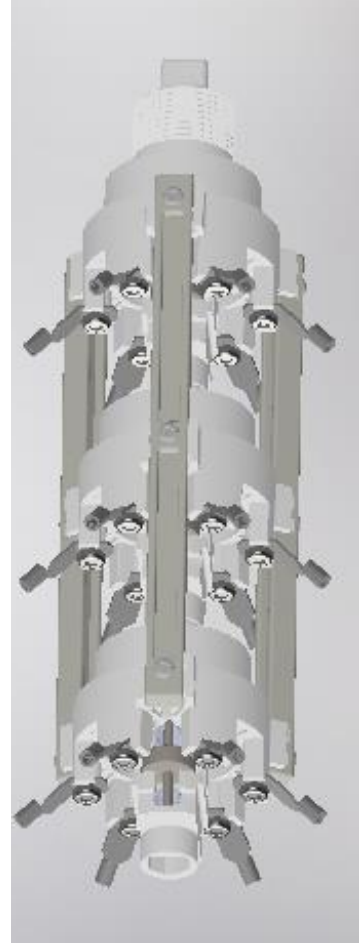
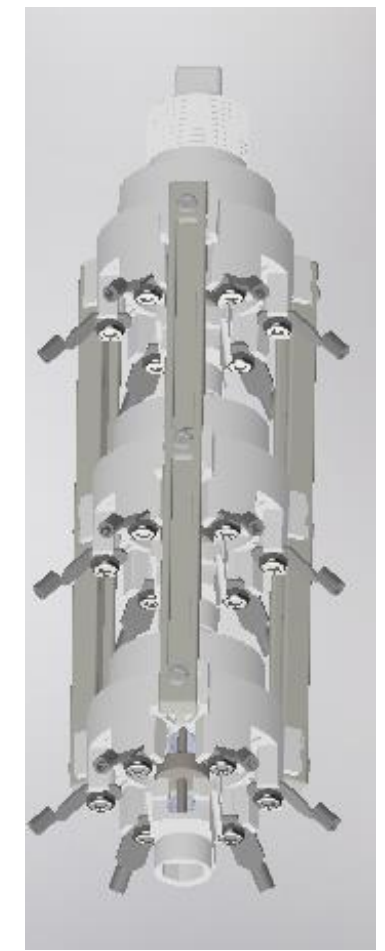
Commercial

Renewable

Industrial

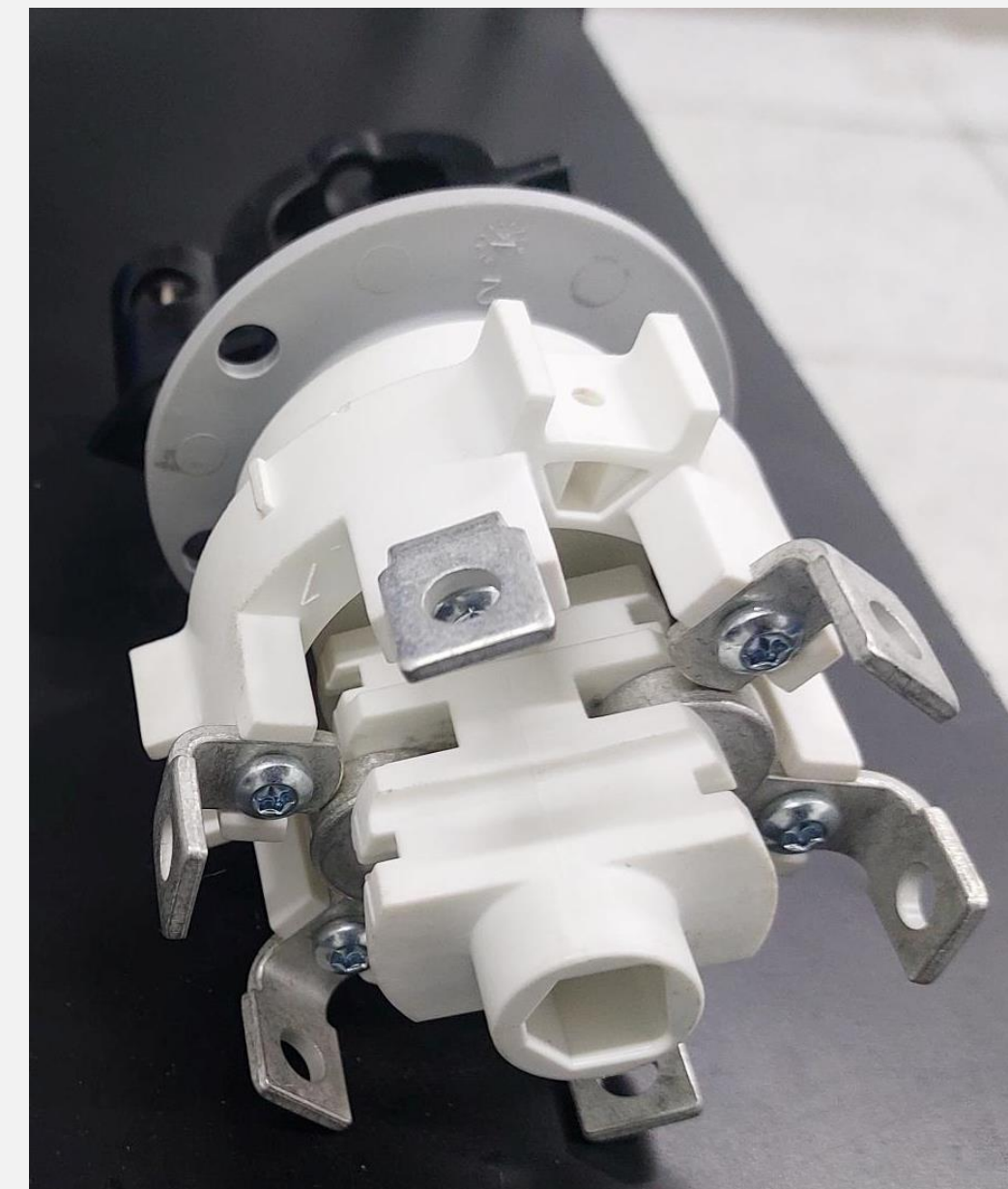


Tap Changers

	ABB 1C11075G03 Cooper 30413500C01	ABB 609C175G08	ABB 609C176G05	
	150 kV 100 A	150 kV 150 A	125 kV 100 A	125 kV 150 A
1 DECK	B2140 Tap Changer 1-ph 5 pos	B2304 Tap Changer 1-ph 5 pos	B2302 Dual Voltage 1-deck	B2305 Dual Voltage 1-deck
	 	 	 	 
3 DECKS	B2141 Tap Changer 3-ph 5 pos	ABB 609C178G15 B2143 Tap Changer 3-ph 5 pos	B2142 Dual Voltage 3-decks	ABB 609C181G11 B2144 Dual voltage 3-decks
	 	 	 	 

Tap Changers Pre-Assembly

Product released!





High voltage sectionalizers

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energy solutions

Product Description – High Voltage Sectionalizers

HV sectionalizer is a rupture device in transformers, it connects and disconnects sections of a distribution circuit. Typically used to de-energize faulted sections of the transformer.

They are connected to the primary bushings of the transformer.

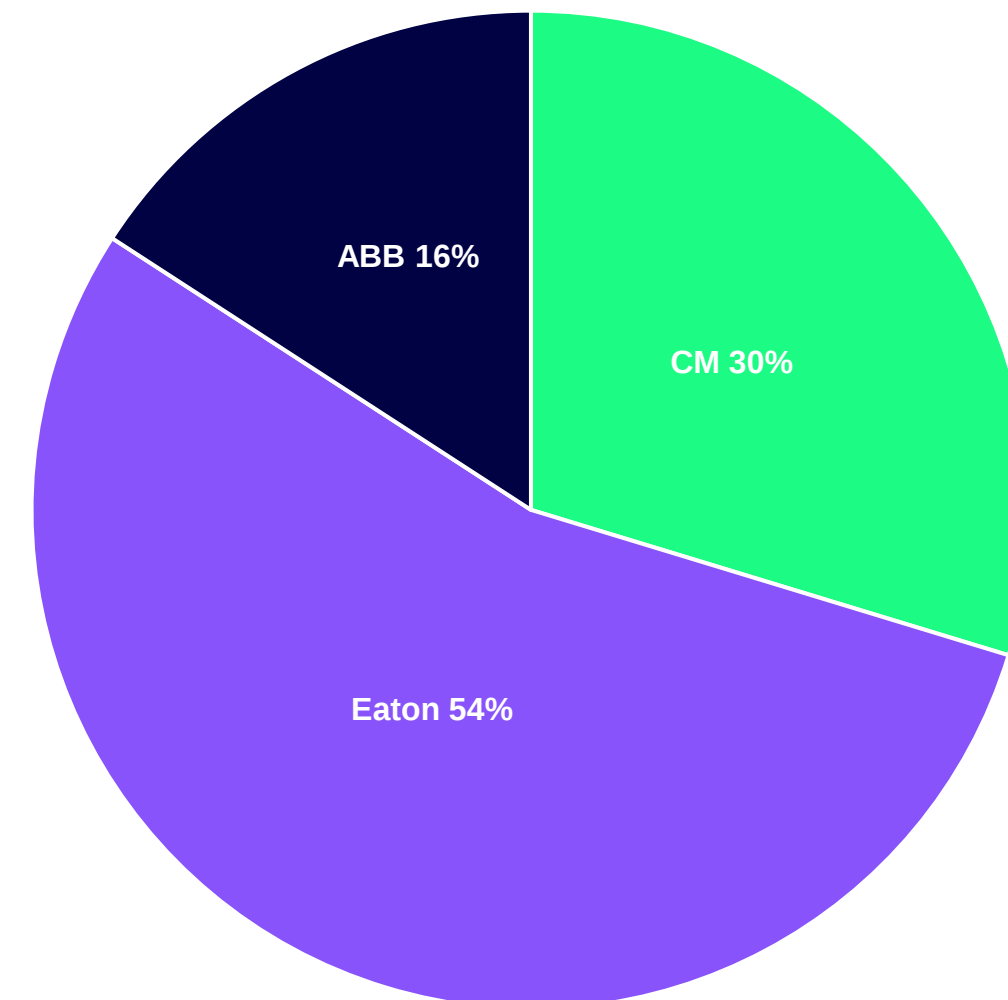


Characteristics:

- Manual operation with hot stick.
- 2 positions (ON-OFF) (2 models).
- 4 positions T-Blade and V-Blade (4 models).
- Up to 38 kV.
- No load operation.
- Interchangable.

Standards

IEEE Std C37.71/74



Residential

Commercial

Renewable

Industrial

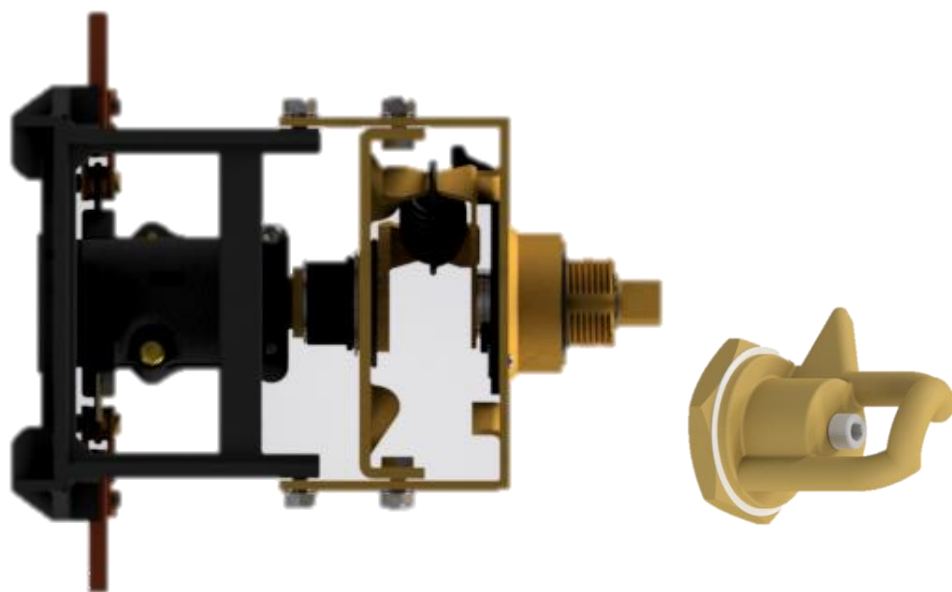


Loadbreak Switch

300 A
2 pos

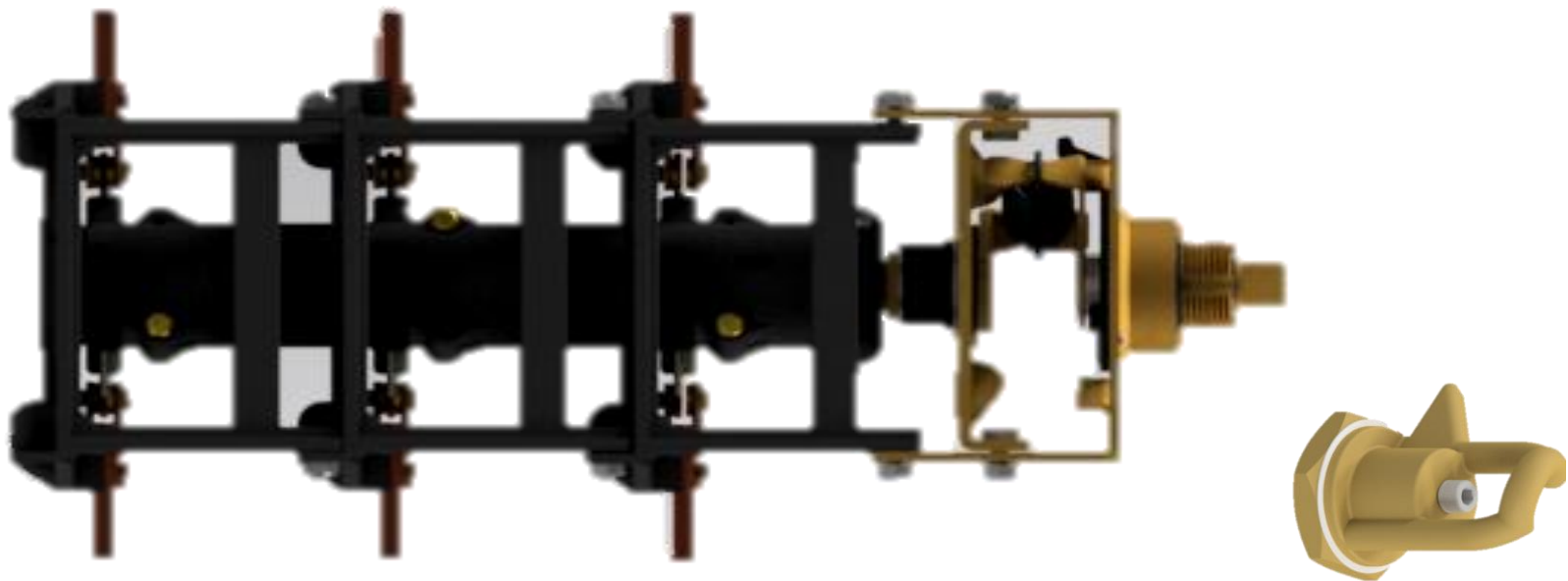
1-ph

B2147 ABB 272D913G11
Cooper LS2R338H1N1AP

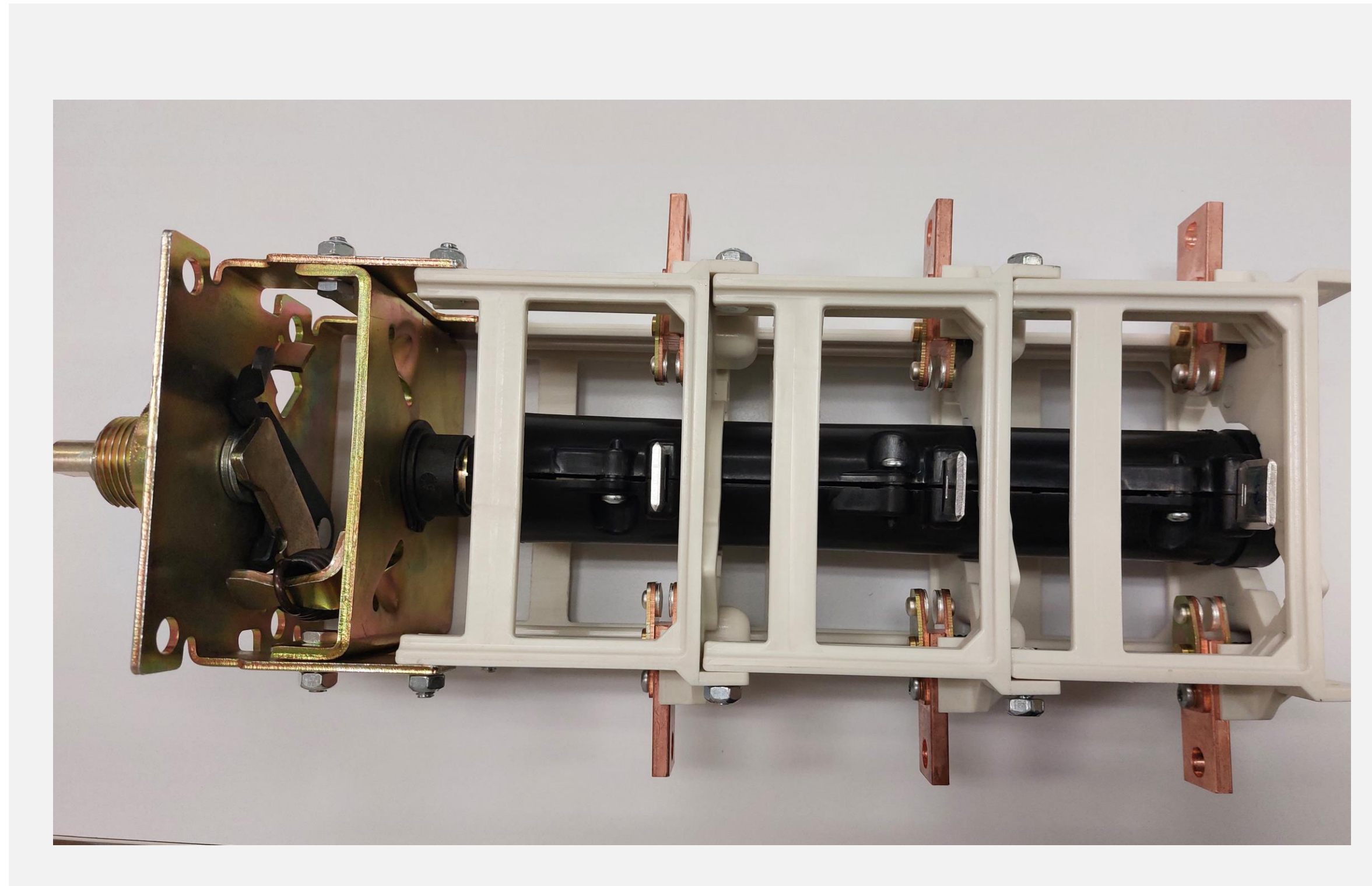


3-ph

B2148 ★ ABB 272D913G13
Cooper LS2R338H3N1A



Final product to be released by early 2Q'24.





Bayonet fuse Holder

prolec[®]
energy solutions

Product Description – Bayonet fuse holder

23 kV
Sidewall mounted

<i>B2117</i>	Cooper 4000361C99FV
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Product released!

Safe installation

Polymer Surge Arresters

Polymer Arresters

Heavy Duty & Riser Pole



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celeco

Prolec Celeco Arresters

Distribution Class

Arresters are protection devices designed to limit overvoltage transient waves caused by a temporary current discharge.

Our arresters are manufactured in Monterrey, Mexico with the highest quality components according **IEC6099-4 & IEEE C62.11**, and for safety with a non-fragmenting design.

Heavy Duty Distribution Arrester

Designed to limit over voltaje with **MOV Technology** and silicon rubber housing to protect electric equipment, Transformers and networks.

Riser Pole Arrester Distribution Class

Prolec Celeco Riser Pole Arresters are also distribution class devices with an improved performance characteristic on residual voltaje this providing an enhanced protection against overvoltage events in electric grids.

This type of arresters are usually intended to **protect underground networks** due to its upgraded protective performance.

New Product released!

Polymer Surge Arresters

Distribution Class

Surge Advance



Benefits:

- Improved discharge voltage
- Improved protection margins
- Higher TOV capability means higher durability
- Best in class insulating materials to withstand extreme conditions
- Complies with IEEE C62.11-2020
- Non-fragmenting design

Customers Timeline



- OEMS
- EUDAS
- DISTRIBUTORS
- UTILITIES

