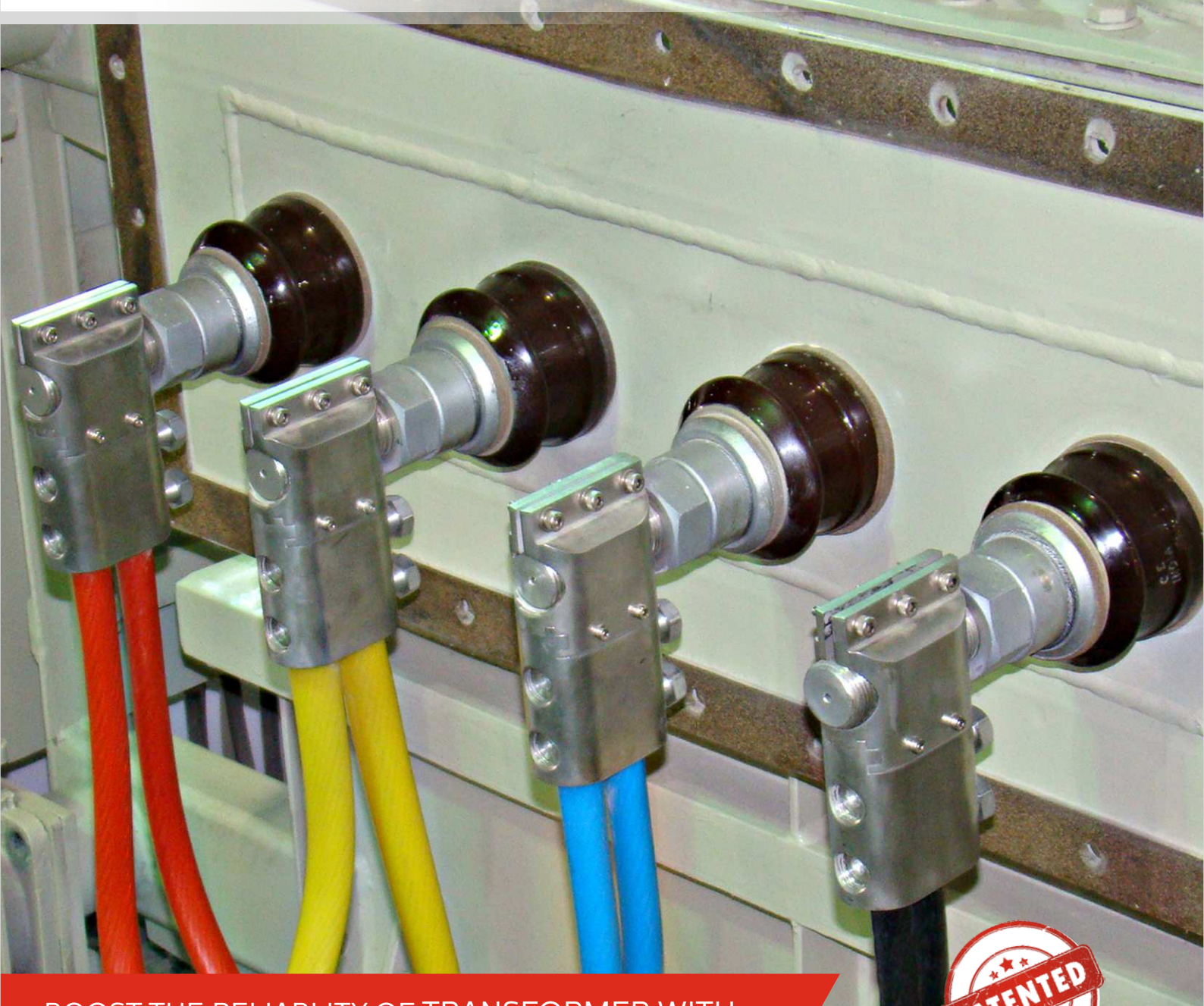


# Raychem



BOOST THE RELIABILITY OF TRANSFORMER WITH  
OUR INNOVATIVE - **TRAFOCONNECT**



( A TE-Connectivity - RPG Enterprises JV )

Transformer is a vital component of a distribution system. It has to deliver Reliable Power in a safe & efficient manner. However, 8% of the transformers installed worldwide fail on account of improper connector systems.

A conventional connector system used for LV cable connection, deploys crimping and tightening of the bolts. Over a period of time, it leads to a loose electrical contacts which causes sparks and hot spots. The contact resistance is high which adds to the losses of ailing utilities. The weight of the connector causes mechanical strains on the bushing of the transformer, leading to oil leakages.

Raychem's TRAFICONNECT is engineered to keep the contact resistance low for the lifetime of the transformer. Its lighter & pretty simple to install as it uses the modern shear bolt technology, hence avoiding the skill & tool dependent crimping methodology. It significantly increases the reliability of the transformer.

**BOLTED AND CRIMPED CONNECTORS VS TRAFICONNECT**

**BOLTED AND CRIMPED CONNECTORS**



- High I<sup>2</sup>R (Technical) losses
- Conventional connectors cause hot spots
- Heavy weight of connectors cause cracks in bushing, which leads to oil leakages

**TRAFICONNECT**

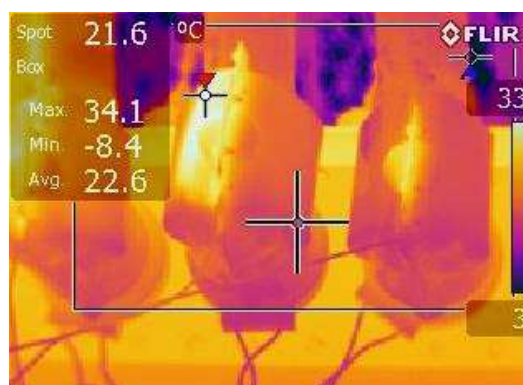


- Low I<sup>2</sup>R (Technical) losses
- No crimping & hence no tools required
- Light weight
- Reliable, insulated & safe connection
- Simple & easy installation
- No chances of Ph-Ph, Ph-N & Ph-E faults

**TEMPERATURE ANALYSIS**

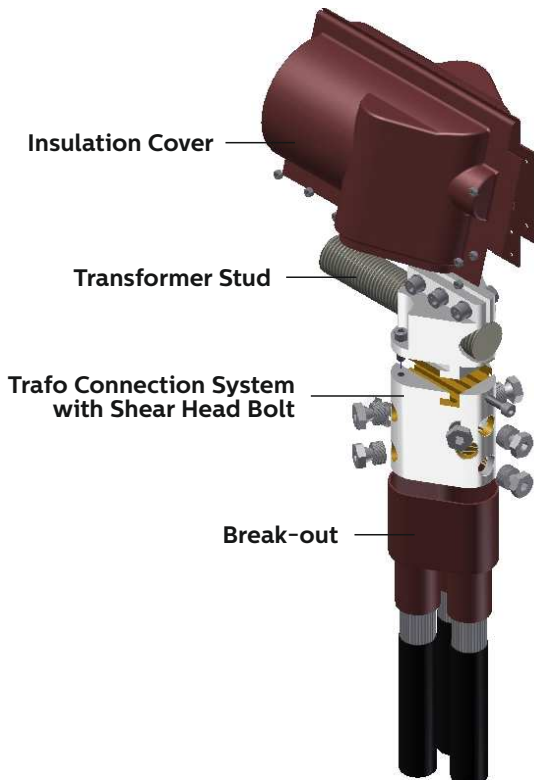


Conventional Connections



Trafoconnect

# TRAFCONNECT CONSTRUCTION AND VARIANTS



### Specifications:

- Special Al Alloy Parts
- Two piece sliding design
- Suitable for Aluminium as well as Copper Conductors
- Tested as per IS5561 and IEC 61238
- Torque Controlled Shear Head Bolts
- Multiple Cable Outgoings
- Range taking and Compact
- Fully Insulated

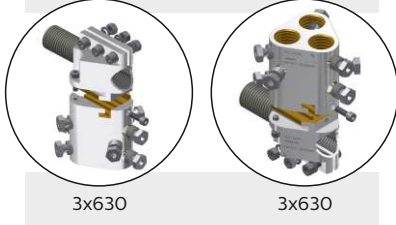
**TRAFCONNECT 2 WAY 120-300**



2x120-300

2x120-300

**TRAFCONNECT 3 WAY 630**



3x630

3x630

**TRAFCONNECT 2 WAY 400**



2x400

2x400

**TRAFCONNECT 3 WAY 630 Vertical**



3x630\_vertical

3x630\_vertical

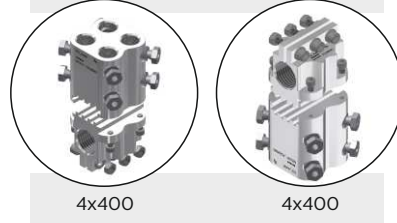
**TRAFCONNECT 2 WAY 630**



2x630

2x630

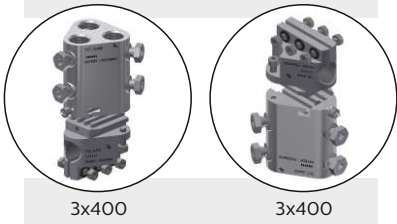
**TRAFCONNECT 4 WAY 400**



4x400

4x400

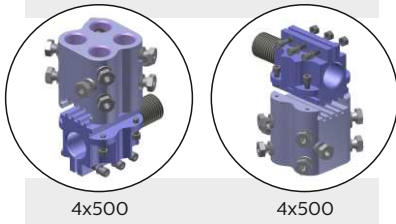
**TRAFCONNECT 3 WAY 400**



3x400

3x400

**TRAFCONNECT 4 WAY 500**



4x500

4x500

## SELECTION CHART

PCN	Product Description	Transformer kVA*	Current, A	Stud Size	Stud Position	Outgoing No. of ways	Cable Cross-section Sq. mm.
AJA4040310	TRAFO CONNECT KIT FOR 2 WAY 120-300 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	250	500	M20x2.5	Horizontal	2	120-300
AJA4040312	TRAFO CONNECT KIT FOR 2 WAY 400 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	400	630	M20x2.5	Horizontal	2	400
AJA4040356	TRAFO CONNECT KIT FOR 3 WAY 400 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	630	1000	M30x2	Horizontal	3	400
AJA4040322	TRAFO CONNECT KIT FOR 2 WAY 630 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	630	1300	M30x2	Horizontal	2	630
AJA4040357	TRAFO CONNECT KIT FOR 4 WAY 400 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	990	2000	M42x3	Horizontal	4	400
AJA4040308	TRAFO CONNECT KIT FOR 4 WAY 500 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	990	2000	M42x3	Horizontal	4	500
AJA4040321	TRAFO CONNECT KIT FOR 3 WAY 630 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT	990	2000	M42x3	Horizontal	3	630
AJA4040328	TRAFO CONNECT KIT FOR 3 WAY 630 SQ. MM CABLE WITH 3 PHASE + 1 NEUTRAL CONNECTOR AND INSULATION KIT_VERTICAL BUSHING	990	2000	M42x3	Vertical	3	630

\*kVA rating is mentioned for selection of Trafoconnect and for reference only.

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