



TRANSFORMADORES ORIÓN · CUAUTITLÁN IZCALLI (MEXICO CITY), MEXICO

Zig-zag grounding transformer

Liquid-filled grounding transformer, zig-zag connected. It gives a ground reference to a system that has none — typically the delta side of the main transformer at a wind or solar plant — and isolates system faults to protect the generating equipment and the receiving substation.



Transformadores Orión · zig-zag grounding unit with conservator · plant catalog

ORIÓN

CUAUTITLÁN IZCALLI · MEXICO CITY

CAPACITY	Per specification
VOLTAGE CLASS	15 / 25 / 34.5 kV
CONNECTION	Zig-zag
STANDARD	NMX-J-284
WARRANTY	3 years · on quotation

RANGE AS OFFERED

CAPACITY	Per specification
FUNCTION	System grounding reference
CONNECTION	Zig-zag
VOLTAGE CLASS	15 / 25 / 34.5 kV
COOLING	Self-cooled, liquid-filled (ONAN)
FAULT DUTY AND NEUTRAL CURRENT	Set per specification
DESIGN SPECIFICATION	CFE K0000-15
PRODUCT STANDARD	NMX-J-284
TEST STANDARD	NMX-J-169

APPLICATIONS

- ◇ Wind and solar generating plants
- ◇ Systems with no ground reference
- ◇ Delta side of a main transformer

ISSUED WITH THE QUOTATION

- ◇ Impedance, no-load and load losses for the design
- ◇ Outline drawing, dimensions and weight
- ◇ Nameplate and connection diagram
- ◇ Routine test report per serial number

01 SET PER ORDER

US configurations — ratios, taps, bushings, IEEE/ANSI accessories — are set on the drawings for each order and reviewed by Silver River's US-licensed engineer before manufacture.

02 TESTED BEFORE SHIPMENT

Tested to the NMX-J series — NMX-J-169 for the test methods, NMX-J-123 for the insulating oil — on the plant's own bench: turns ratio, winding resistance, insulation resistance, dielectric strength of the oil.

03 HOW TO ORDER

Send the specification to info@silverriver.company. The quotation comes from the plant; you contract the manufacturer directly, with Silver River as the US point of accountability.

Manufactured by Manufacturas Eléctricas Orión, S.A. de C.V., Cuautitlán Izcalli (Mexico City), Mexico. Ranges and voltage classes per the plant catalog and transformadoresorion.com, September 2026; photographs from the plant catalog. The manufacturer's warranty is the one stated on the quotation — three years on current export quotations. UL listing status is confirmed per design on the quotation. This sheet is not an offer; the quotation governs.