

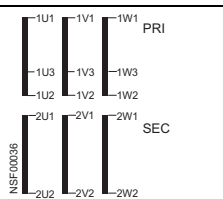
Three-Phase Transformers

4AP, 4AU Safety, Isolating, Control and Mains Transformers

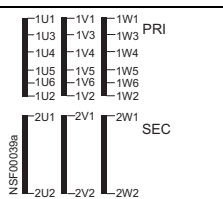
General data

Schematics

In two-voltage version

Circuit diagrams and terminal assignments	Rated input voltage U_{1N}	Rated output voltage U_{2N}	Connections and links		
			Rated voltage	Terminals	Circuit terminals ¹⁾
 4AP17 to 4AP30 NSF00037 2U1 2U2 2V1 2V2 2W1 2W2 1U1 1U3 1U2 1V1 1V3 1V2 1W1 1W3 1W2 4AU30 to 4AU39 NSF00038a 1U1 1U3 1U2 1V1 1V3 1V2 1W1 1W3 1W2 2U1 2U2 2V1 2V2 2W1 2W2	V Y 500-400 / Δ 289-230	V Y 400/ Δ 230	V		
			Primary		
			500 400	1U1-1V1-1W1	1U2-1V2-1W2 1U3-1V3-1W3
			289		1U1-1W2, 1V1-1U2, 1W1-1V2
			230		1U1-1W3, 1V1-1U3, 1W1-1V3
			Secondary		
			400 230	2U1-2V1-2W1 2U1-2V1-2W1	2U2-2V2-2W2 2U1-2W2, 2V1-2U2, 2W1-2V2

Multi-voltage version

Circuit diagrams and terminal assignments	Rated input voltage U_{1N}	Rated output voltage U_{2N}	Connections and links		
			Rated voltage	Terminals	Circuit terminals ¹⁾
 4AP20 to 4AP30 NSF00041 2U1 2U2 2V1 2V2 2W1 2W2 1U1 1U3 1U4 1U5 1U6 1U2 1V1 1V3 1V4 1V5 1V6 1V2 1W1 1W3 1W4 1W5 1W6 1W2 4AU30 to 4AU39 NSF00042a 1U1 1U3 1U4 1U5 1U6 1U2 1V1 1V3 1V4 1V5 1V6 1V2 1W1 1W3 1W4 1W5 1W6 1W2 2U1 2U2 2V1 2V2 2W1 2W2	V Y 520-500- 480-460- 440-420- 400-380- 360/ Δ 300-289- 277-266- 254-240- 230-220- 208	V Y 400/ Δ 230	V		
			Primary		
			520	1U1-1V1-1W1	1U2-1V2-1W2
			500	1U1-1V1-1W1	1U6-1V6-1W6
			480	1U1-1V1-1W1	1U5-1V5-1W5
			460	1U3-1V3-1W3	1U2-1V2-1W2
			440	1U3-1V3-1W3	1U6-1V6-1W6
			420	1U3-1V3-1W3	1U5-1V5-1W5
			400	1U4-1V4-1W4	1U2-1V2-1W2
			380	1U4-1V4-1W4	1U6-1V6-1W6
			360	1U4-1V4-1W4	1U5-1V5-1W5
			300	1U1-1V1-1W1	1U2-1V1, 1V2-1W1, 1W2-1U1
			289	1U1-1V1-1W1	1U6-1V1, 1V6-1W1, 1W6-1U1
			277	1U1-1V1-1W1	1U5-1V1, 1V5-1W1, 1W5-1U1
			266	1U3-1V3-1W3	1U2-1V3, 1V2-1W3, 1W2-1U3
			254	1U3-1V3-1W3	1U6-1V3, 1V6-1W3, 1W6-1U3
			240	1U3-1V3-1W3	1U5-1V3, 1V5-1W3, 1W5-1U3
			230	1U4-1V4-1W4	1U2-1V4, 1V2-1W4, 1W2-1U4
			220	1U4-1V4-1W4	1U6-1V4, 1V6-1W4, 1W6-1U4
			208	1U4-1V4-1W4	1U5-1V4, 1V5-1W4, 1W5-1U4
			Secondary		
			400 230	2U1-2V1-2W1 2U1-2V1-2W1	2U2-2V2-2W2 2U2-2V1, 2V2-2W1, 2W2-2U1

¹⁾ Y/Δ disconnecting links are not included in the scope of supply.