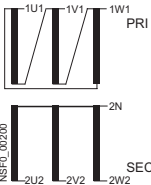
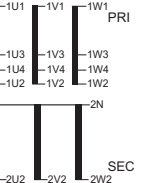
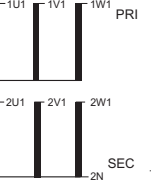
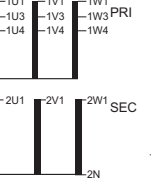


Three-Phase Transformers

4BU Power Transformers

General data

Schematics

Circuit diagrams and terminal assignments	Rated input voltage U_{1N}	Rated output voltage U_{2N}	Connections and links																																																				
			Rated voltage	Terminals	Links																																																		
	V	V	V																																																				
Vector group Dyn5																																																							
 Up to 81 A: terminals <table><tr><td>1U1</td><td>1V1</td><td>1W1</td><td>2U2</td><td>2V2</td><td>2W2</td><td>2N</td></tr></table> NSFO_00201 > 81 A flat connectors, see "Project planning aids".	1U1	1V1	1W1	2U2	2V2	2W2	2N	Δ 480 Δ 440 Δ 400	Υ 400 Υ 208	Primary <table><tr><td>480</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>440</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>400</td><td>1U1-1V1-1W1</td><td>--</td></tr></table> Secondary <table><tr><td>400</td><td>2U2-2V2-2W2</td><td>--</td></tr><tr><td>208</td><td>2U2-2V2-2W2</td><td>--</td></tr></table>			480	1U1-1V1-1W1	--	440	1U1-1V1-1W1	--	400	1U1-1V1-1W1	--	400	2U2-2V2-2W2	--	208	2U2-2V2-2W2	--																												
1U1	1V1	1W1	2U2	2V2	2W2	2N																																																	
480	1U1-1V1-1W1	--																																																					
440	1U1-1V1-1W1	--																																																					
400	1U1-1V1-1W1	--																																																					
400	2U2-2V2-2W2	--																																																					
208	2U2-2V2-2W2	--																																																					
Vector group Dyn5 $\pm 5\%$																																																							
 Up to 81 A: terminals <table><tr><td>1U3</td><td>1U4</td><td>1U2</td><td>1V1</td><td>1V3</td><td>1V4</td><td>1V2</td><td>1W1</td><td>1W3</td><td>1W4</td><td>1W2</td><td>1U1</td><td>1U1</td><td>2U2</td><td>2V2</td><td>2W2</td><td>2N</td></tr></table> NSFO_00203 > 81 A flat connectors, see "Project planning aids".	1U3	1U4	1U2	1V1	1V3	1V4	1V2	1W1	1W3	1W4	1W2	1U1	1U1	2U2	2V2	2W2	2N	Δ 504-480-456 Δ 462-440-418 Δ 420-400-380	Υ 400 Υ 208	Primary <table><tr><td>504</td><td>1U1-1V1-1W1</td><td>1U2-1V1; 1V2-1W1; 1W2-1U1</td></tr><tr><td>480</td><td></td><td>1U4-1V1; 1V4-1W1; 1W4-1U1</td></tr><tr><td>456</td><td></td><td>1U3-1V1; 1V3-1W1; 1W3-1U1</td></tr><tr><td>462</td><td>1U1-1V1-1W1</td><td>1U2-1V1; 1V2-1W1; 1W2-1U1</td></tr><tr><td>440</td><td></td><td>1U4-1V1; 1V4-1W1; 1W4-1U1</td></tr><tr><td>418</td><td></td><td>1U3-1V1; 1V3-1W1; 1W3-1U1</td></tr><tr><td>420</td><td>1U1-1V1-1W1</td><td>1U2-1V1; 1V2-1W1; 1W2-1U1</td></tr><tr><td>400</td><td></td><td>1U4-1V1; 1V4-1W1; 1W4-1U1</td></tr><tr><td>380</td><td></td><td>1U3-1V1; 1V3-1W1; 1W3-1U1</td></tr></table> Secondary <table><tr><td>400</td><td>2U2-2V2-2W2</td><td>--</td></tr><tr><td>208</td><td>2U2-2V2-2W2</td><td>--</td></tr></table>			504	1U1-1V1-1W1	1U2-1V1; 1V2-1W1; 1W2-1U1	480		1U4-1V1; 1V4-1W1; 1W4-1U1	456		1U3-1V1; 1V3-1W1; 1W3-1U1	462	1U1-1V1-1W1	1U2-1V1; 1V2-1W1; 1W2-1U1	440		1U4-1V1; 1V4-1W1; 1W4-1U1	418		1U3-1V1; 1V3-1W1; 1W3-1U1	420	1U1-1V1-1W1	1U2-1V1; 1V2-1W1; 1W2-1U1	400		1U4-1V1; 1V4-1W1; 1W4-1U1	380		1U3-1V1; 1V3-1W1; 1W3-1U1	400	2U2-2V2-2W2	--	208	2U2-2V2-2W2	--
1U3	1U4	1U2	1V1	1V3	1V4	1V2	1W1	1W3	1W4	1W2	1U1	1U1	2U2	2V2	2W2	2N																																							
504	1U1-1V1-1W1	1U2-1V1; 1V2-1W1; 1W2-1U1																																																					
480		1U4-1V1; 1V4-1W1; 1W4-1U1																																																					
456		1U3-1V1; 1V3-1W1; 1W3-1U1																																																					
462	1U1-1V1-1W1	1U2-1V1; 1V2-1W1; 1W2-1U1																																																					
440		1U4-1V1; 1V4-1W1; 1W4-1U1																																																					
418		1U3-1V1; 1V3-1W1; 1W3-1U1																																																					
420	1U1-1V1-1W1	1U2-1V1; 1V2-1W1; 1W2-1U1																																																					
400		1U4-1V1; 1V4-1W1; 1W4-1U1																																																					
380		1U3-1V1; 1V3-1W1; 1W3-1U1																																																					
400	2U2-2V2-2W2	--																																																					
208	2U2-2V2-2W2	--																																																					
Vector group Yyn0																																																							
 Up to 81 A: terminals <table><tr><td>1U1</td><td>1V1</td><td>1W1</td><td>2U1</td><td>2V1</td><td>2W1</td><td>2N</td></tr></table> NSFO_00205 > 81 A flat connectors, see "Project planning aids".	1U1	1V1	1W1	2U1	2V1	2W1	2N	Υ 480 Υ 440 Υ 400	Υ 400 Υ 208	Primary <table><tr><td>480</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>440</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>400</td><td>1U1-1V1-1W1</td><td>--</td></tr></table> Secondary <table><tr><td>400</td><td>2U1-2V1-2W1</td><td>--</td></tr><tr><td>208</td><td>2U1-2V1-2W1</td><td>--</td></tr></table>			480	1U1-1V1-1W1	--	440	1U1-1V1-1W1	--	400	1U1-1V1-1W1	--	400	2U1-2V1-2W1	--	208	2U1-2V1-2W1	--																												
1U1	1V1	1W1	2U1	2V1	2W1	2N																																																	
480	1U1-1V1-1W1	--																																																					
440	1U1-1V1-1W1	--																																																					
400	1U1-1V1-1W1	--																																																					
400	2U1-2V1-2W1	--																																																					
208	2U1-2V1-2W1	--																																																					
Vector group Yyn0 $\pm 5\%$																																																							
 Up to 81 A: terminals <table><tr><td>1U1</td><td>1U3</td><td>1U4</td><td>1V1</td><td>1V3</td><td>1V4</td><td>1W1</td><td>1W3</td><td>1W4</td><td>2U1</td><td>2V1</td><td>2W1</td><td>2N</td></tr></table> NSFO_00207 > 81 A flat connectors, see "Project planning aids".	1U1	1U3	1U4	1V1	1V3	1V4	1W1	1W3	1W4	2U1	2V1	2W1	2N	Υ 504-480-456 Υ 462-440-418 Υ 420-400-380	Υ 400 Υ 208	Primary <table><tr><td>504</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>480</td><td>1U3-1V3-1W3</td><td>--</td></tr><tr><td>456</td><td>1U4-1V4-1W4</td><td>--</td></tr><tr><td>462</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>440</td><td>1U3-1V3-1W3</td><td>--</td></tr><tr><td>418</td><td>1U4-1V4-1W4</td><td>--</td></tr><tr><td>420</td><td>1U1-1V1-1W1</td><td>--</td></tr><tr><td>400</td><td>1U3-1V3-1W3</td><td>--</td></tr><tr><td>380</td><td>1U4-1V4-1W4</td><td>--</td></tr></table> Secondary <table><tr><td>400</td><td>2U1-2V1-2W1</td><td>--</td></tr><tr><td>208</td><td>2U1-2V1-2W1</td><td>--</td></tr></table>			504	1U1-1V1-1W1	--	480	1U3-1V3-1W3	--	456	1U4-1V4-1W4	--	462	1U1-1V1-1W1	--	440	1U3-1V3-1W3	--	418	1U4-1V4-1W4	--	420	1U1-1V1-1W1	--	400	1U3-1V3-1W3	--	380	1U4-1V4-1W4	--	400	2U1-2V1-2W1	--	208	2U1-2V1-2W1	--				
1U1	1U3	1U4	1V1	1V3	1V4	1W1	1W3	1W4	2U1	2V1	2W1	2N																																											
504	1U1-1V1-1W1	--																																																					
480	1U3-1V3-1W3	--																																																					
456	1U4-1V4-1W4	--																																																					
462	1U1-1V1-1W1	--																																																					
440	1U3-1V3-1W3	--																																																					
418	1U4-1V4-1W4	--																																																					
420	1U1-1V1-1W1	--																																																					
400	1U3-1V3-1W3	--																																																					
380	1U4-1V4-1W4	--																																																					
400	2U1-2V1-2W1	--																																																					
208	2U1-2V1-2W1	--																																																					

¹⁾ Yyn0; according to DIN VDE 0532, single-phase loading is permissible only up to 10 % of the rated current of a phase.