

STZ, DTZ Transformers

Additional Taps

Current range	For use with	Additional Taps		Price	Remarks
		Primary Type Article No.	Secondary Type Article No.		
A					
For single-phase transformers					
< 16	STZ	+ZA16P(...) 931897	+ZA16S(...) 931895		Select the appropriate tap for single-phase transformers: Example: <ul style="list-style-type: none"> Desired transformer STZ0.25(400/24) Required voltage for the additional secondary tap is 22V. Calculate the current required to select the appropriate tap in the following way: $I = S/U$ $I = \text{current (A)}$ $S = \text{power (VA)}$ $U = \text{required tap voltage}$ $I = 250/22 = 11.4A = \mathbf{+ZA16}$ Therefore, for an additional secondary tap the correct type number would be +ZA16S(22). The primary taps are to be determined in the same manner.
16 - 25		+ZA25P(...) 931894	+ZA25S(...) 931893		
25 - 63		+ZA63P(...) 931892	+ZA63S(...) 931891		
63 - 100		+ZA100P(...) 931896	+ZA100S(...) 931890		
100 - 200		+ZA200P(...) 931889	+ZA200S(...) 931888		
200 - 320		+ZA320P(...) 931887	+ZA320S(...) 931886		
400 - 630		+ZA630P(...) 931883	+ZA630S(...) 931882		
For three-phase transformers					
< 16	DTZ	+DZA16P(...) 930200	+DZA16S(...) 200406		Select the appropriate tap for single-phase transformers: Example: <ul style="list-style-type: none"> Desired transformer DTZ0.25(400/24) Required voltage for the additional secondary tap is 22V. Calculate the current required to select the appropriate tap in the following way: $I = S/U$ $I = \text{current (A)}$ $S = \text{power (VA)}$ $U = \text{required tap voltage}$ $I = 250/22 = 11.4A = \mathbf{+DZA16}$ Therefore, for an additional secondary tap the correct type number would be +DZA16S(22). The primary taps are to be determined in the same manner.
16 - 25		+DZA25P(...) 930201	+DZA25S(...) 200470		
25 - 63		+DZA63P(...) 930202	+DZA63S(...) 200472		
63 - 100		+DZA100P(...) 930203	+DZA100S(...) 200473		
100 - 200		+DZA200P(...) 930204	+DZA200S(...) 200474		
200 - 320		+DZA320P(...) 930205	+DZA320S(...) 200475		
400 - 630		+DZA630P(...) 930206	+DZA630S(...) 930207		
If there is a differential of grweater than +/-10% between the transformer voltage and the tapped voltage; <ul style="list-style-type: none"> Determine the overall power rating of the transformer. Specify the power requirement per each tap. Secondary voltages can also be configured as separate windings. In these cases, each corresponding VA is to be indicated; and, in addition, twice the number of taps must be specified.					

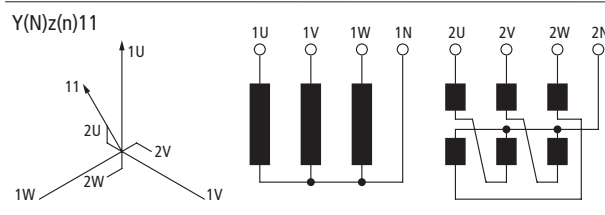
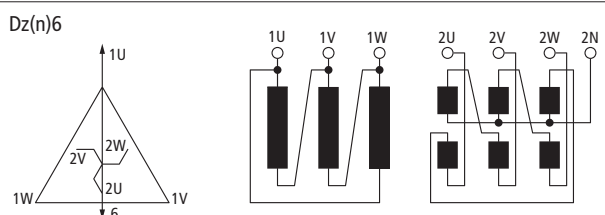
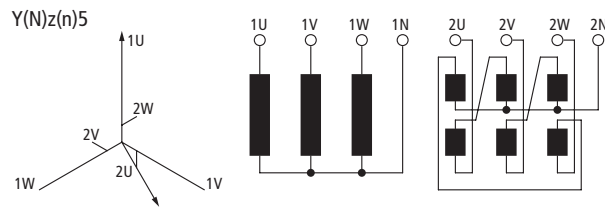
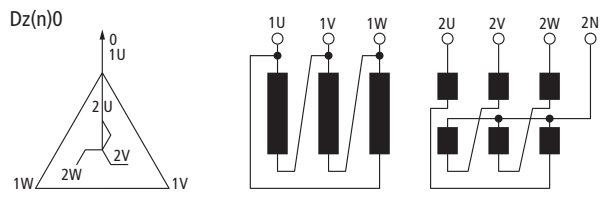
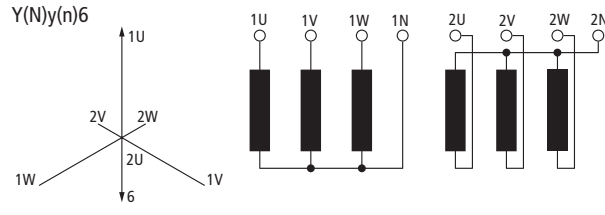
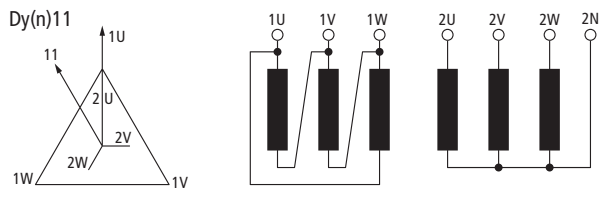
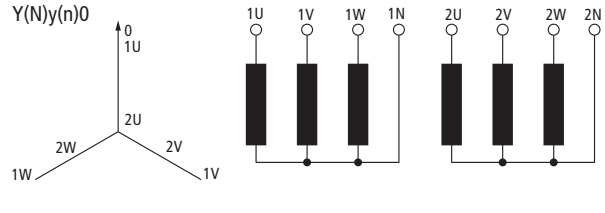
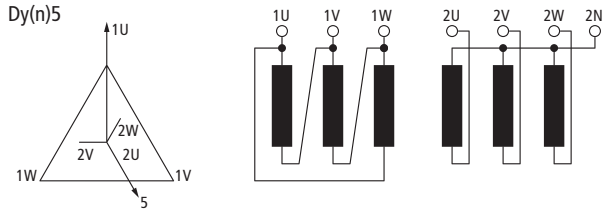
Transformers Engineering Notes

Standard configurations for three-phase transformers

When ordering three phase type DTI and DTZ, it is necessary to specify the desired transformer winding configuration in the type number. Select the desired configuration below and insert the associated number into the type number as shown on pages 13/005 and 13/008.

For additional configurations, please contact Moeller Electric.

Transformers



The external neutral is clearly indicated by the addition to the configuration of an n for the secondary (N for the primary). Standard circuit is Yy0.