

Cast resin dry type transformer

Specification template to IEC 60076-11

Fill in what the design has fixed and leave the rest empty. Send the sheet with your request: every open point comes back in one numbered message before any manufacturer sees it.

01 Project

Project or reference			
Site country and postcode			
Quantity units			
Required on site			Date, or week and year
Delivery terms	☐ DAP site	☐ FCA works	☐ Other Incoterms 2020
New or replacement	☐ New	☐ Replacement	For a replacement, attach a photograph of the old nameplate

02 Rating and voltages

Rated power kVA			
Rated voltage, high voltage side kV			Network voltage, for example 10, 11, 20 or 33 kV
Rated voltage, low voltage side V			At no load, for example 400, 415 or 433 V
Highest voltage for equipment Um kV			For example 12, 24 or 36 kV
Frequency	☐ 50 Hz	☐ 60 Hz	
Vector group			For example Dyn11. Match the existing unit for parallel operation
Short circuit impedance uk %			Parallel operation or a fault level limit fixes it
Tapping range			For example $\pm 2 \times 2.5 \%$
Tap changing	☐ Off circuit links	☐ On load	
Insulation level, high voltage side kV			Impulse / applied voltage, for example 125 / 50 kV at Um 24 kV

03 Losses

Loss requirement	☐ EU Tier 2 maximum	☐ Lower values below	Regulation (EU) 548/2014 as amended by (EU) 2019/1783
	☐ Capitalised		
Maximum load loss Pk W			At the reference temperature of the insulation class
Maximum no load loss P0 W			
Capitalisation factors A and B per kW			Only if losses are priced in the comparison
Maximum sound power level dB(A)			

04 Construction and installation

Climatic, environmental and fire class	<input type="text"/>	C1 to C5, E0 to E4, F0 or F1, for example C2 E2 F1
Insulation thermal class	<input type="text"/>	For example 155 (F)
Winding temperature rise K	<input type="text"/>	Only if below the limit of the class
Enclosure	<input type="text"/>	IEC 60529 code, for example IP00 without enclosure, IP21 or IP31
Forced air cooling fans	☐ Yes ☐ No	
Winding temperature sensors and relay	☐ Yes ☐ No	
Partial discharge limit pC	<input type="text"/>	If your specification sets one
Site altitude m	<input type="text"/>	Above sea level, if over 1000 m
Maximum ambient temperature °C	<input type="text"/>	If over 40 °C
Size and weight limits	<input type="text"/>	Door, room, lift or access route

05 Connections

High voltage connection	☐ Cable from above ☐ Cable from below ☐ Plug in
Low voltage connection	☐ Busbar from above ☐ Busbar from below ☐ Cable

06 Tests and documents

Type test reports required	☐ Temperature rise ☐ Lightning impulse ☐ Sound level ☐ Climatic, environmental and fire class	Routine tests to IEC 60076-11 are always included
Witnessed factory acceptance test	☐ Yes ☐ No	
Documents with the offer	☐ Outline drawing ☐ Guaranteed technical data ☐ Type test reports ☐ Declaration of conformity	
Notes and attachments Single line diagram, site drawings, the old nameplate for a replacement	<div><input type="text"/></div>	

References: IEC 60076-11:2018, IEC 60529. Regulation (EU) No 548/2014 as amended by Regulation (EU) 2019/1783. Examples show the form of an answer; the values for your project come from its design. Free to use and copy.

Send it with your request

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- Manufacturers get the specification, not your details
- No account, no obligation

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