

Representative Image

Catalog No. 9T83B4005G70

Description: 3A,51KVA,460-270Y/156,150C,N2,DIT,TP1

UPC No 783173203491

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ABB's 9T83 Drive Isolation Transformers (DIT) are designed to specifically handle the mechanical stresses, voltage distortions, and harmonics associated with silicon-controlled rectifiers (SCR) or Thyristor applications. Drive Isolation Transformers have symmetrically placed taps and added coil bracing to withstand the mechanical forces caused by severe SCR or thyristor duty cycles. These features also help to protect the transformer from the regenerative duty and more frequent momentary short-circuits associated with SCR commutation. The 9T83 DITs are UL Listed for installations outside of Canada. Qualified to the seismic requirements of IEEE-693-2005 and IBC-2021 and CBC 2022.

Descriptors

Category	Drive Isolation

Specifications

TransType	QL-TP1
Phase	3
PriVoltage	460
SecVoltage	270Y/156
KVA	51 KVA
Coil Material	AL
TempRise	150 °C
Sub Type	Drive Isolation (DIT)
Frequency	60 Hz
TempClass	220 °C
AmbTemp	40 °C
EnergyEfficiency	NEMA TP 1
KFactor	K1
Enclosure Type	NEMA 2
Sound	Std

Classifications

UL	Yes

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