Product data sheet

Specifications



Transformer, dry type, DOE 2016, 300kVA, 3 phase, 480V delta primary, 240V delta secondary, 25J, 150C rise, 120V ctr

EX300T6HCT

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Square D
Product or Component Type	Transformer
Device short name	DOE 2016
Transformer type	Energy efficient
Device Application	Low voltage electrical distribution

Complementary

Box number	25J
Phase	3 phase
Rated operational power in VA	300 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	480 V delta
Number of tap-offs	2 2.5 % FCAN 4 2.5 % FCBN
Secondary voltage	240 V delta Centre tap 120 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	99.12 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 dB NEMA ST-20 49 dB
%IZ	4.8 %
%IX	0.0451 %
X/R Ratio	2.99
Let Through Current	7.6 kA
Transformer Losses	479.0 no load (core loss) 4526.0 load loss (coil loss)
Transformer BTU/HR	2059.973099892752 16.6 % 2599.62568625 25 % 5495.254691 50 % 10321.30303225 75 % 17077.77071 100 %

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Height	57.5 in (1461 mm)
Depth	32.8 in (832 mm)
Width	40.08 in (1018 mm)
Product Weight	1860.00 lb(US) (843.68 kg)
Mounting support	Floor Floor, with 7400FMB
Degree of protection	UL type 1 UL type 2, with 7400DS25J UL type 3R, with 7400WS25J
Electrical connection	4 Hole Nema Pad primary 0.4 in (11.1 mm) 6 Hole Nema Pad secondary 0.4 in (11.1 mm)

Environment

Ambient Air Temperature for Operation	104 °F (40 °C)
Average ambient air temperature for operation	30 °C
Standards	UL 1561 CSA C22.2 No 47 NEMA ST-20

Ordering and shipping details

Category	US1PE2X16501
Discount Schedule	PE2X
GTIN	785901750949
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	57.6 in (146.4 cm)
Package 1 Width	35.0 in (88.9 cm)
Package 1 Length	42.6 in (108.3 cm)
Package weight(Lbs)	2010.0002 lb(US) (911.72 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**67 850 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**5 638 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**159 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**60 252 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 800 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Phenyl Glycidyl Ether, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**
Halogen content performance	**Halogen free plastic parts product**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**95**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**

Dimensions Drawings

Approximate Dimensions

