



TECHNICAL DATA SHEET

Rev.	Description
Rev. A	Issued for proposal.
Rev. B	-
Rev. C	-

Date	Prepared by
14.03.2017	A. Roosipuu
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GENERAL DATA

P1010	Document number	TRTDS0000902-01
P1020	Item code	39310
P1030	Project	XKIB-IEC 30/400/7-50
P1032	Grid Solutions Oy (Ltd.) item code	JC300406-00
P1040	Application	Three phase Blocking reactor
P1050	Inductor type	Vacuum impregnated (VI) dry type steel core inductor
P1060	Cooling method	AN
P1070	Installation altitude	< 1000 m above sea-level
P1080	Standards	IEC 60076-6

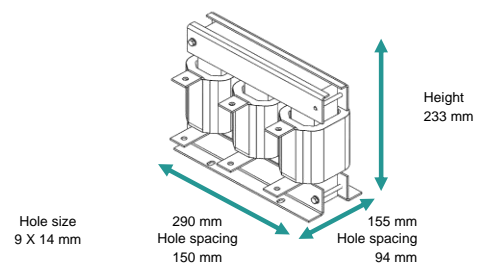
ELECTRICAL DATA

P2010	Nominal inductance [-3 % ... +3 % at 50 Hz]	1,278 mH
P2020	Nominal frequency	50 Hz
P2040	Nominal operating voltage [Vrms]	400 V
P2050	Nominal current [rms]	50,6 A
P2061	Fundamental current (50Hz)	47,6 A
P2071	Total losses	382 W

ADDITIONAL TECHNICAL DATA

P3010	Min. Cooling Air Flow Speed	Natural convection
P3020	Max ambient temperature	40,0 °C
P3030	Installation environment	Indoor
P3040	Storage temperature	-30 °C ... + 70 °C
P3050	Transportation temperature	-30 °C ... + 70 °C
P3060	Humidity, non condensing	Max 95 %
P3070	Protection class	IP 00
P3080	Pollution degree IEC 60664-1	2
P3100	Thermal class of insulation material	F
P3110	Total weight	22 kg
P3120	Impregnation method	Vacuum
P3130	Duty class	Continuous

Preliminary dimensions



TESTS

P4010	Routine tests	
P4020	Visual inspection	For all units
P4030	Insulation voltage test winding to winding 50Hz/1s	4 kV
P4040	Insulation voltage test winding to core 50Hz/1s	4 kV
P4060	Inductance test	Ln (-3 % ... +3 %) For all units

DOCUMENTATION

P5010	Drawing document number	TRDOC0189503-01
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NOTES

P9010	Manufacturing location	Made in EU
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