

Control Circuit Transformers

Transition Guide

Primary Voltage 480 V and below



Introduction



**New, New,
New!**

A new generation of control circuit transformers

The T4.. Series (primary voltage 480V and below) of control circuit transformers from ABB is transitioning to a new generation design. The new line of transformers has an **improved insulation class rating** (130°C with average winding temperature rise of 80°C). The new product line will be the X4.. series.

Beginning July 1, 2008, the new generation X4 will replace the T4 Series of transformers. This transition guide will help you substitute the old generation transformers with the new family of product.

New Part Numbers

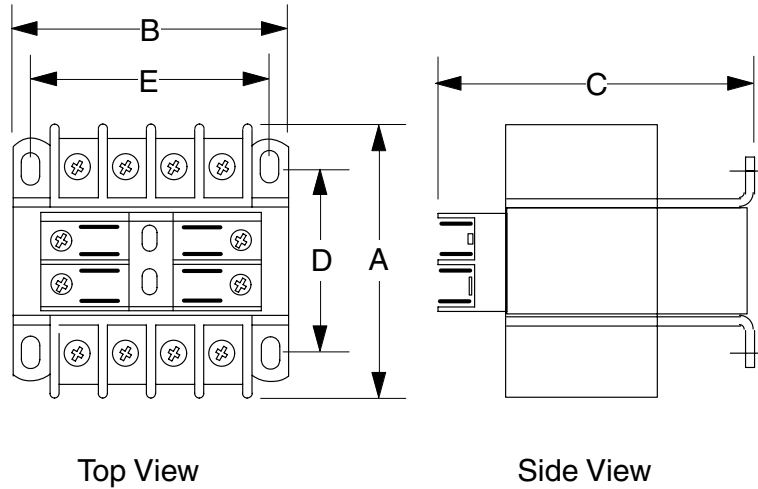


Primary voltage: 460/230/208V, 480/240V, 440/220/200V
 Secondary voltage: 115/24V, 120/25V, 110/23V

NEW P/N	OLD P/N	VA Rating	Output Amps	List Price
X4045SF1	T4045SF1	45	1.90 / 0.39	\$ 72.70
X4050PSF1	T4050PSF1	50	2.08 / 0.44	\$ 83.88
X4075PSF1	T4075PSF1	75	3.13 / 0.65	\$ 93.20
X4100PSF1	T4100PSF1	100	4.17 / 0.87	\$ 102.52
X4150PSF1	T4150PSF1	150	6.25 / 1.30	\$ 109.98
X4200PSF1	T4200PSF1	200	8.33 / 1.74	\$ 130.48
X4250PSF1	T4250PSF1	250	10.42 / 2.17	\$ 145.39
X4300PSF1	T4300PSF1	300	12.50 / 2.61	\$ 158.44
X4350PSF1	T4350PSF1	350	14.58 / 3.04	\$ 171.49
X4500PSF1	T4500PSF1	500	20.84 / 4.35	\$ 229.27
X4750PSF1	T4750PSF1	750	6.52	\$ 270.28

Discount schedule AT

New Dimensions

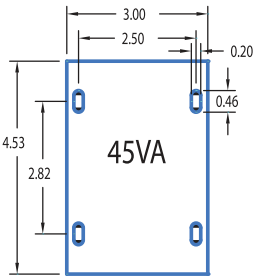


New P/N	A		B		C		D		E		Mounting slots	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
X4045SF1	4 1/2	115	3	76	3 1/8	80	2 7/8	72	2 1/2	64	3/16 x 7/16	5 x 12
X4050PSF1	4 1/2	115	3	76	4	102	2 7/8	72	2 1/2	64		
X4075PSF1	4 1/2	114	3 3/8	86	4 3/8	110	2 3/4	71	2 3/4	71		
X4100PSF1	4 1/2	115	3 3/4	95	4 5/8	118	3	76	3 1/8	80		
X4150PSF1	5	128	3 3/4	95	4 5/8	118	3 1/8	81	3 1/8	80		
X4200PSF1	4 3/8	111	4 1/2	114	5 1/4	134	3	76	3 3/4	95		
X4250PSF1	4 3/4	120	4 1/2	114	5 1/4	134	3	76	3 3/4	95	5/16 x 1 1/16	8 x 27
X4300PSF1	6 1/8	155	5 1/4	133	6	151	3 7/8	98	4 3/8	111		
X4350PSF1	6 1/8	155	5 1/4	133	6	151	3 7/8	98	4 3/8	111		
X4500PSF1	7 1/8	181	5 1/4	133	5 1/8	131	5.37	136	4 3/8	111		

New vs. Old Comparison Drawings

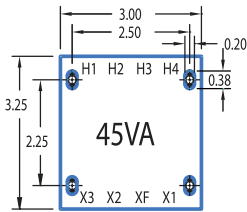
Wide range
of standard
product:
45VA - 750VA

NEW
XFMR

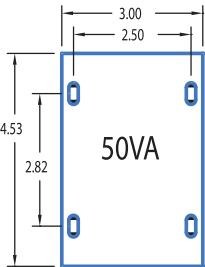


X4045SF1

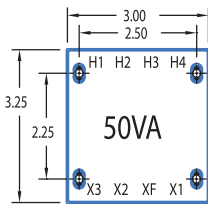
OLD
XFMR



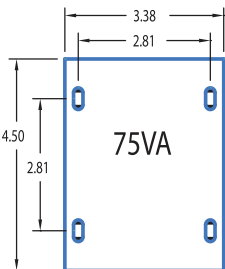
T4045SF1



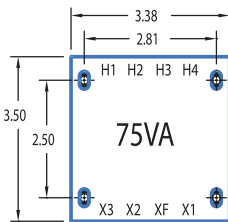
X4050PSF1



T4050PSF1



X4075PSF1

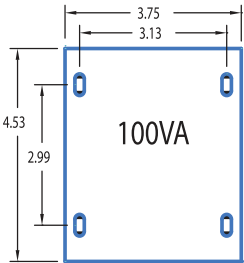


T4075PSF1

New vs. Old Comparison Drawings

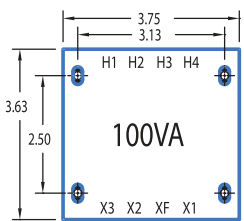
**Improved
insulation
rating (130°C)
to meet a
wider range
of industrial
applications**

**NEW
XFMR**

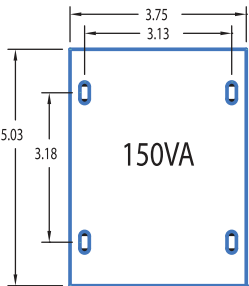


X4100PSF1

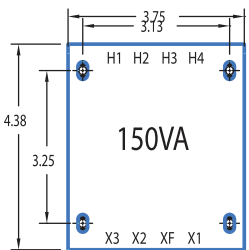
**OLD
XFMR**



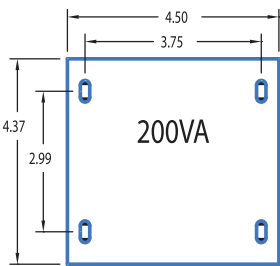
T4100PSF1



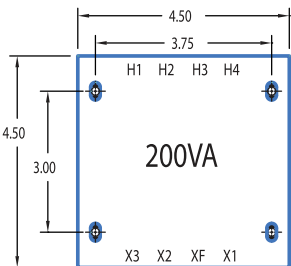
X4150PSF1



T4150PSF1



X4200PSF1

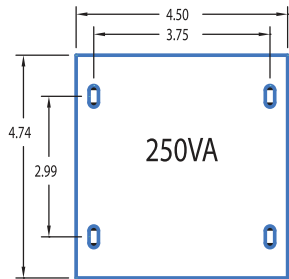


T4200PSF1

New vs. Old Comparison Drawings

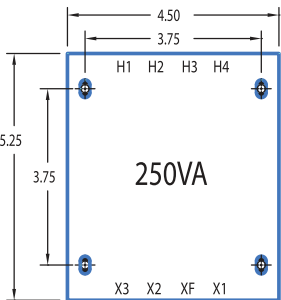
No change
in VA
ratings
and output
amps

NEW
XFMR

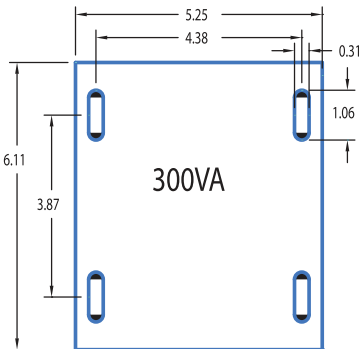


X4250PSF1

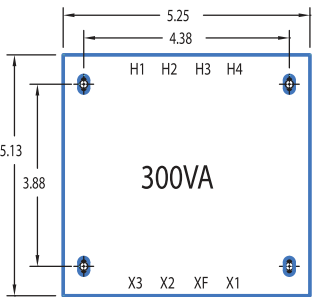
OLD
XFMR



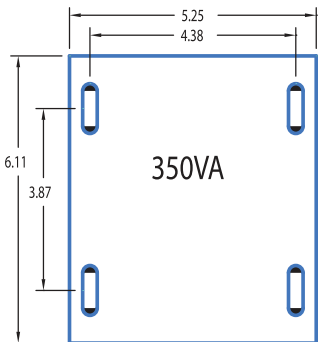
T4250PSF1



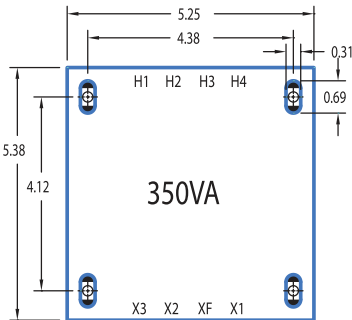
X4300PSF1



T4300PSF1



X4350PSF1

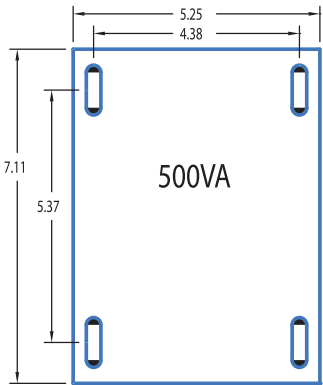


T4350PSF1

New vs. Old Comparison Drawings

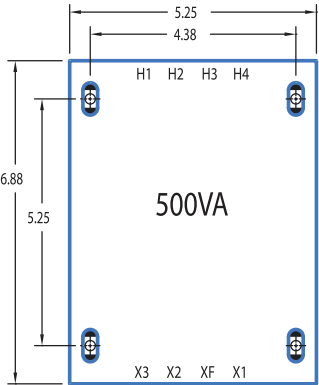
Copper magnet wire provides the highest quality and efficiency in operation

NEW
XFMR

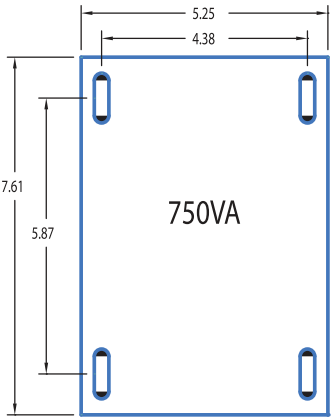


X4500PSF1

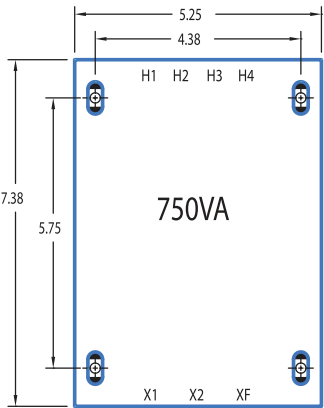
OLD
XFMR



T4500PSF1



X4750PSF1



T4750PSF1

New Links & Resources



More information available online

CAD Drawings: Outline drawings of the new transformer products are available for download from the ABB website. Please visit www.abb-control.com, then select “CAD Library” under the Product Information heading, or you may [click here to download](#).

Print Catalog: A revised LV023 including the new Transformers section will be available 3rd Quarter 2008.

Electronic Catalog: A downloadable version of the revised catalog will be made available after July 1, 2008. Please visit www.abb-control.com and select “Catalog Index” under the Literature Resources heading.



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