



MARCUS

Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

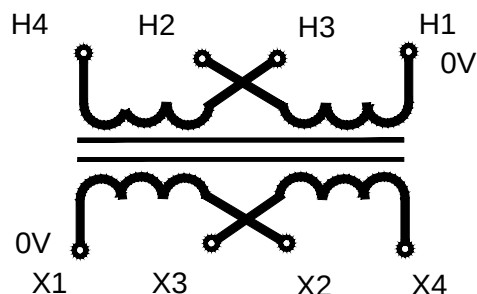
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

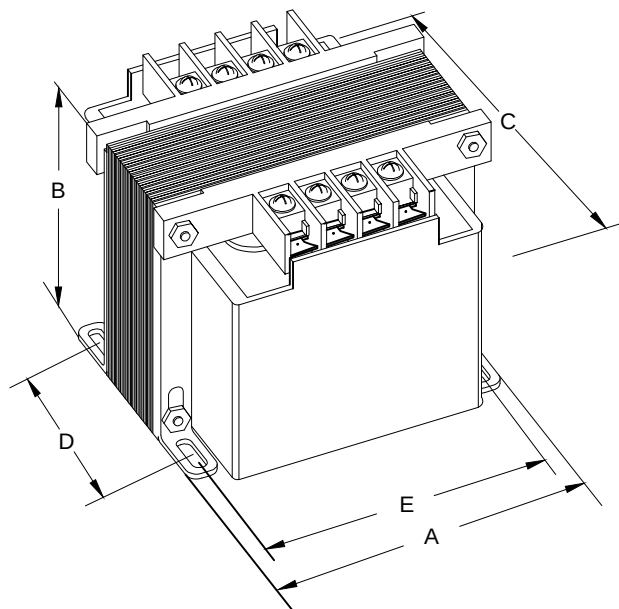
MODEL	MTS250A
Type	Open
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	12 / 24
Input /Output Amps	2.08 , 1.04 / 20.83 , 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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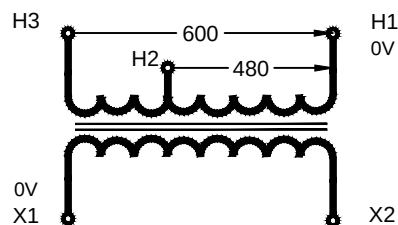
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250AA
Type	Open
VA	250
Primary (Volts)	480 / 600
Secondary (Volts)	120
Input /Output Amps	0.52 , 0.42 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

Primary Tabs

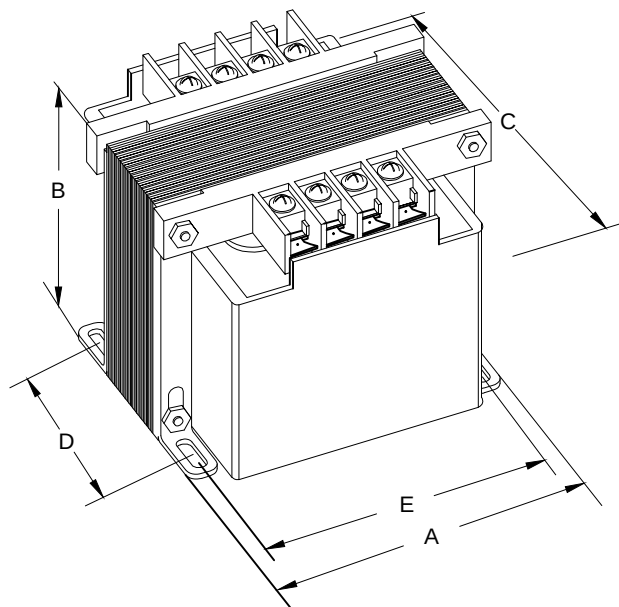
Pos.	H1	H2	H3				
Volts	0V	480	600				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
480	H1-H2
600	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
120	X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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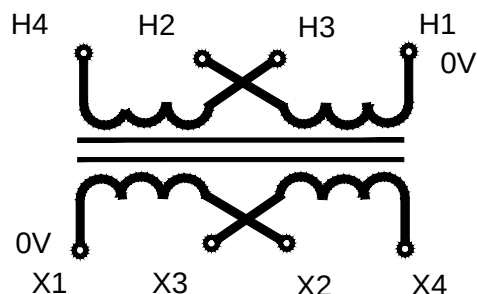
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

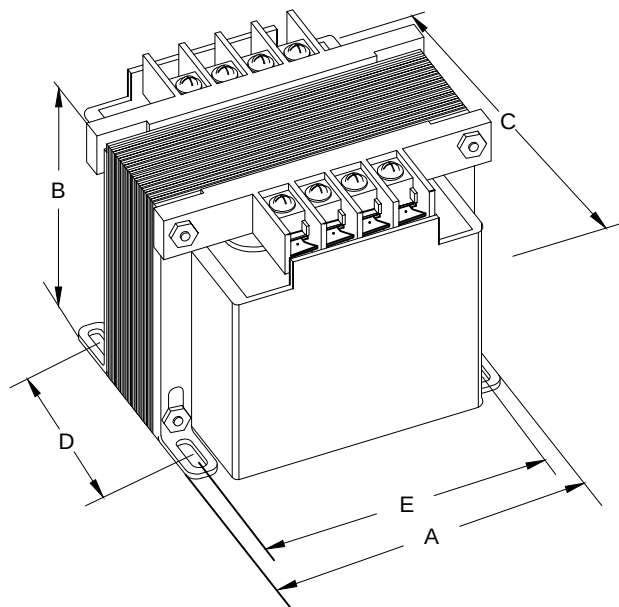
MODEL	MTS250B
Type	Open
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	120 / 240
Input /Output Amps	2.08 , 1.04 / 2.08 , 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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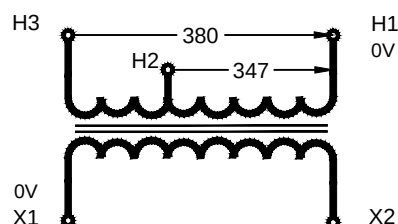
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250BB
Type	Open
VA	250
Primary (Volts)	347 / 380
Secondary (Volts)	120
Input /Output Amps	0.72 , 0.66 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

Primary Tabs

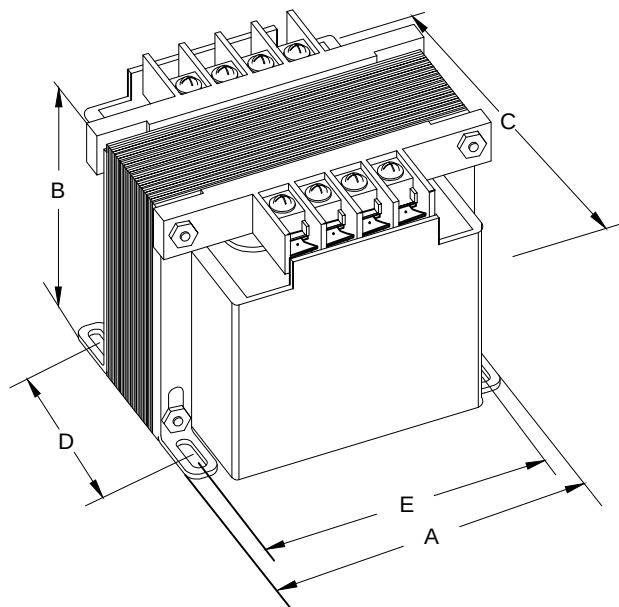
Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
347	H1-H2
380	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
120	X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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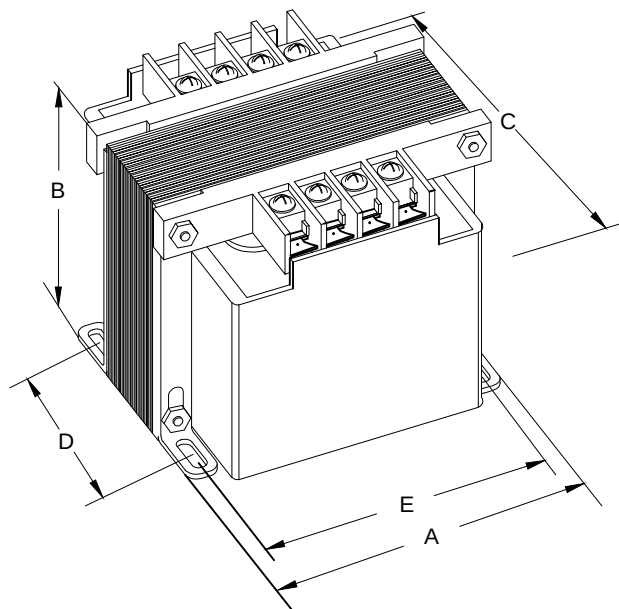
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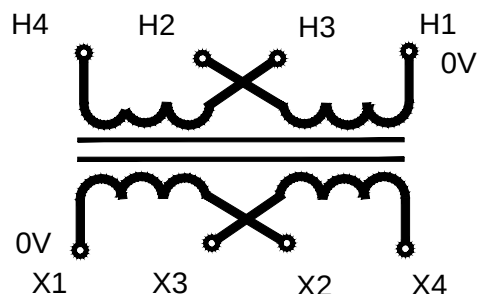
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS250C
Type	Open
VA	250
Primary (Volts)	208 / 416
Secondary (Volts)	12 / 24
Input /Output Amps	1.2 , 0.6 / 20.83 , 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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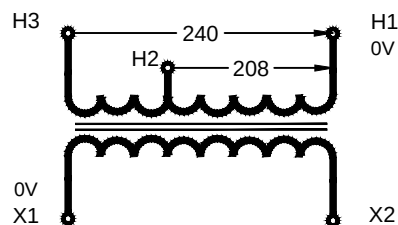
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250CC
Type	Open
VA	250
Primary (Volts)	208 / 240
Secondary (Volts)	120
Input /Output Amps	1.20 , 1.04 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

Primary Tabs

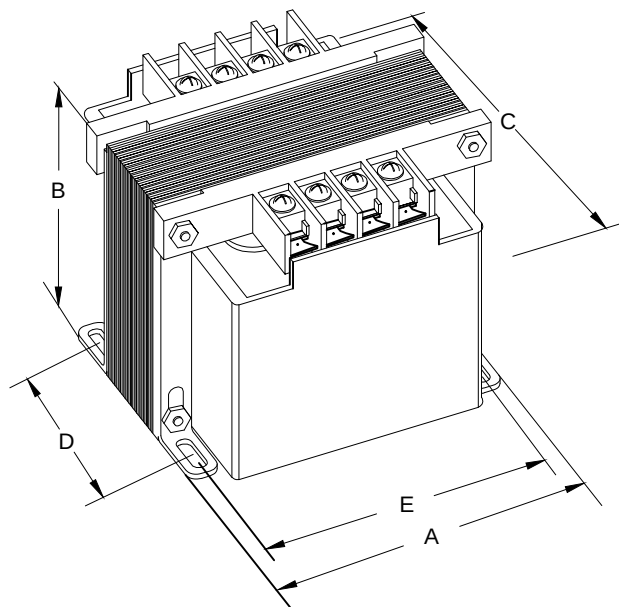
Pos.	H1	H2	H3				
Volts	0V	208	240				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
208	H1-H2
240	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
120	X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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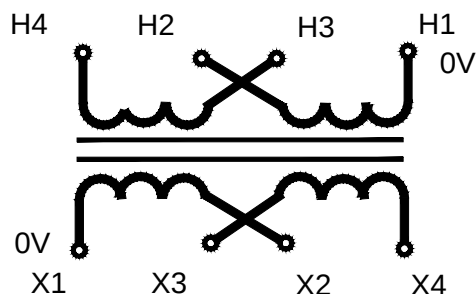
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SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

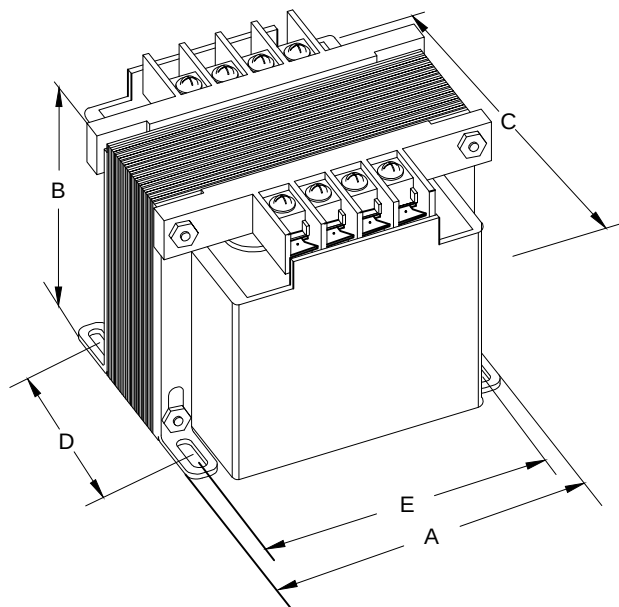
MODEL	MTS250D
Type	Open
VA	250
Primary (Volts)	208 / 416
Secondary (Volts)	120 / 240
Input /Output Amps	1.20 , 0.60 / 2.08 , 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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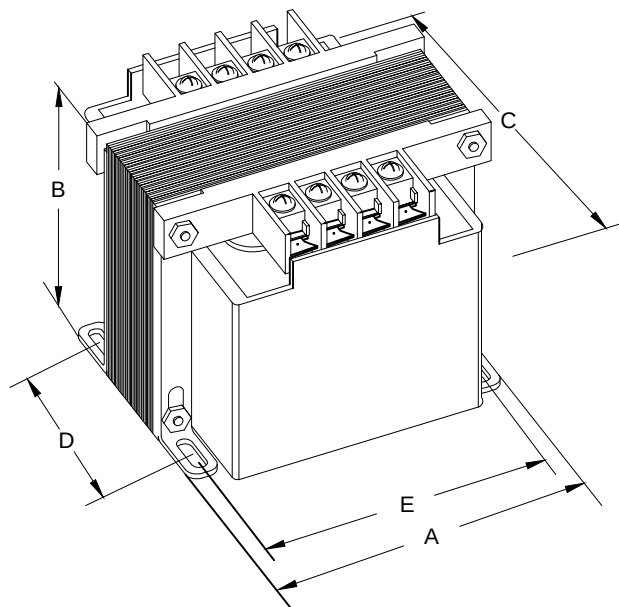
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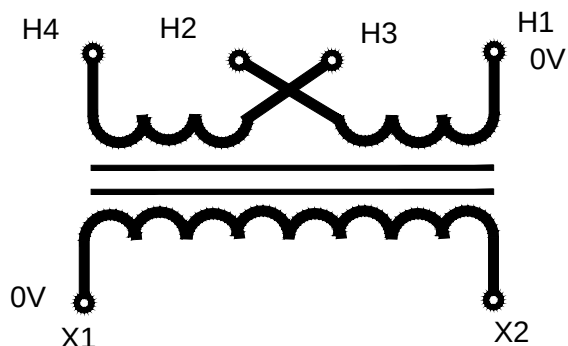
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS250DD
Type	Open
VA	250
Primary (Volts)	240 / 480
Secondary (Volts)	120
Input /Output Amps	1.04 , 0.52 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4
SECONDARY :		
VOLTS	CONNECT LINES TO :	
120	X1-X2	

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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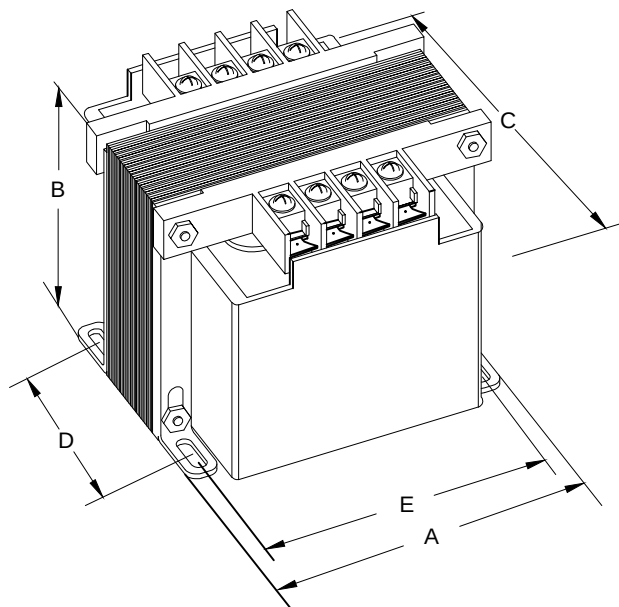
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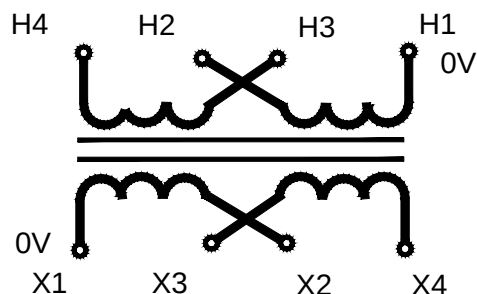
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS250E
Type	Open
VA	250
Primary (Volts)	240 / 480
Secondary (Volts)	120 / 240
Input /Output Amps	1.04 , 0.52 / 2.08 , 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



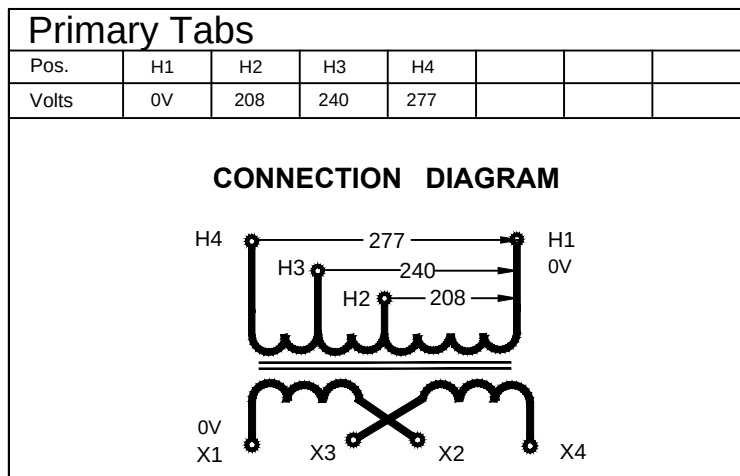
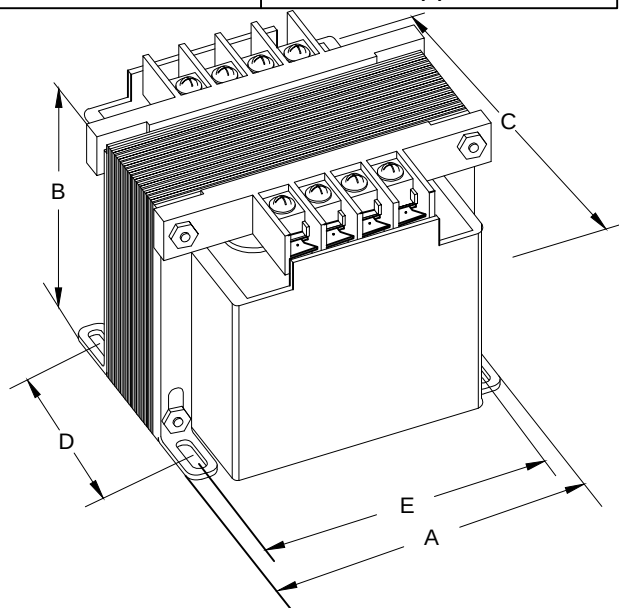
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250EE
Type	Open
VA	250
Primary (Volts)	208 / 240 / 277
Secondary (Volts)	120 / 240
Input Amps	1.20 / 1.04 / 0.90
Output Amps	2.08 / 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



WIRING CONNECTION

PRIMARY :		
VOLTS	CONNECT LINES TO :	
208	H1-H2	
240	H1-H3	
277	H1-H4	
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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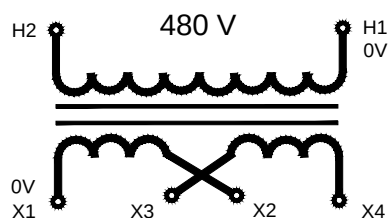
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SINGLE PHASE CONTROL TRANSFORMER

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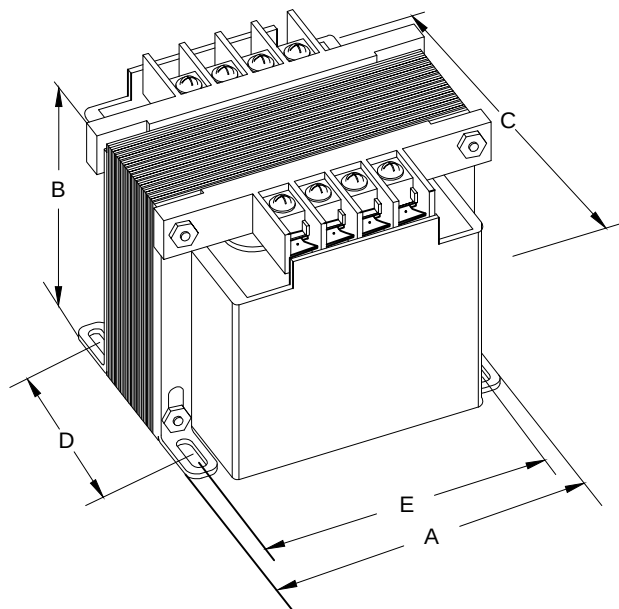
MODEL	MTS250F
Type	Open
VA	250
Primary (Volts)	480
Secondary (Volts)	12 / 24
Input /Output Amps	0.52 / 20.83 , 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 480	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 12 24 12/24	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



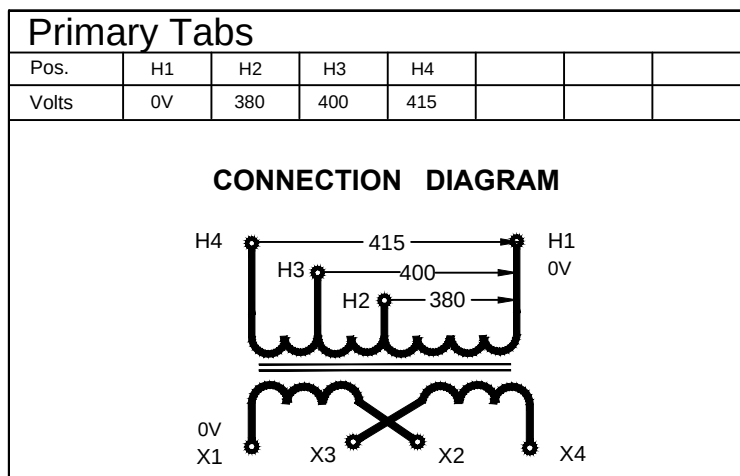
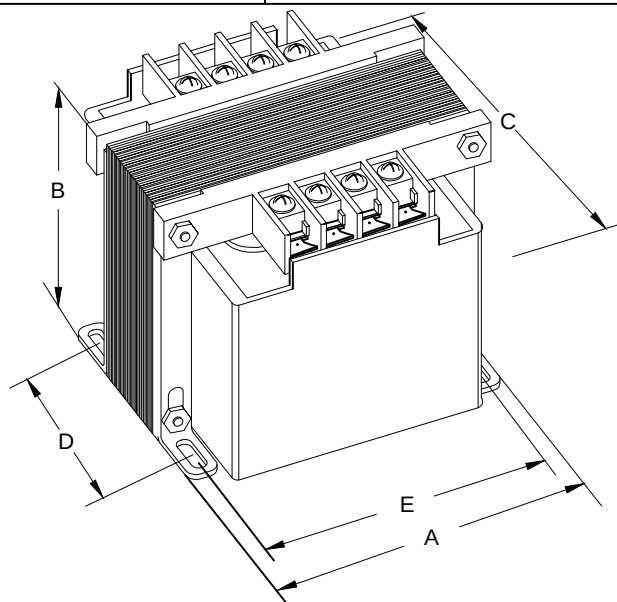
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250FF
Type	Open
VA	250
Primary (Volts)	380 / 400 / 415
Secondary (Volts)	120 / 240
Input Amps	0.66 / 0.63 / 0.60
Output Amps	2.08 / 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



WIRING CONNECTION

PRIMARY :		
VOLTS	CONNECT LINES TO :	
380	H1-H2	
400	H1-H3	
415	H1-H4	
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

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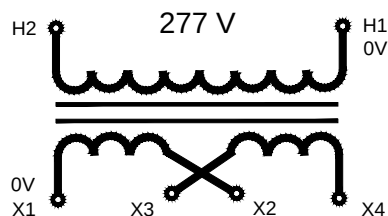
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

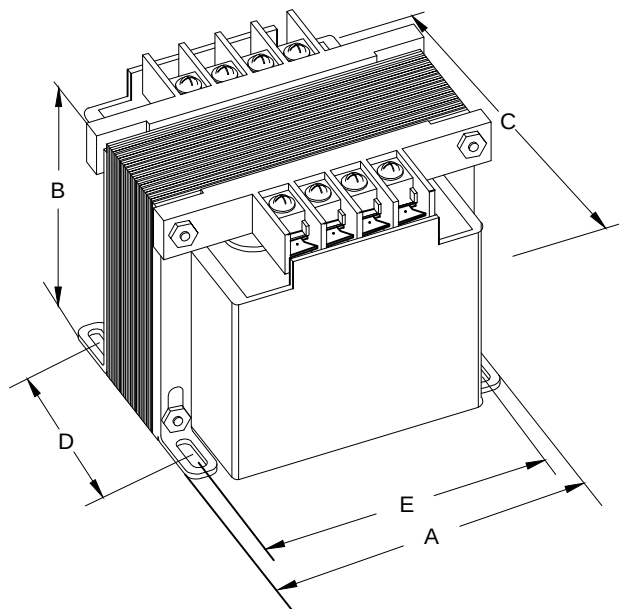
MODEL	MTS250G
Type	Open
VA	250
Primary (Volts)	277
Secondary (Volts)	120 / 240
Input /Output Amps	0.90 / 2.08 , 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 277	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



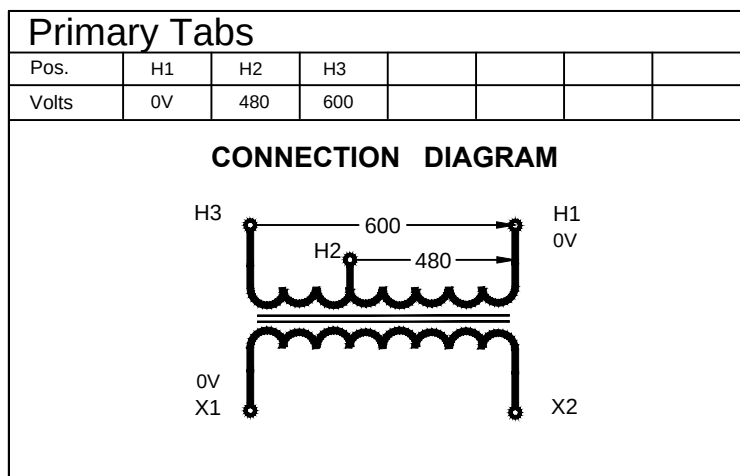
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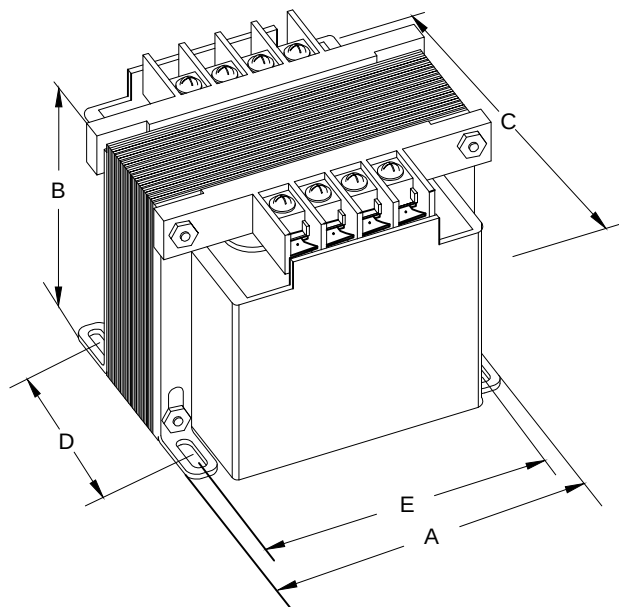
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250GG
Type	Open
VA	250
Primary (Volts)	480 / 600
Secondary (Volts)	24
Input /Output Amps	0.52 , 0.42 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
480	H1-H2
600	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
24	X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

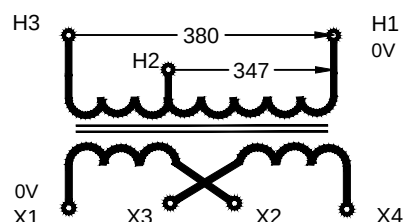
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250H
Type	Open
VA	250
Primary (Volts)	347 / 380
Secondary (Volts)	120 / 240
Input / Output Amps	0.72 , 0.66 / 2.08 , 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM

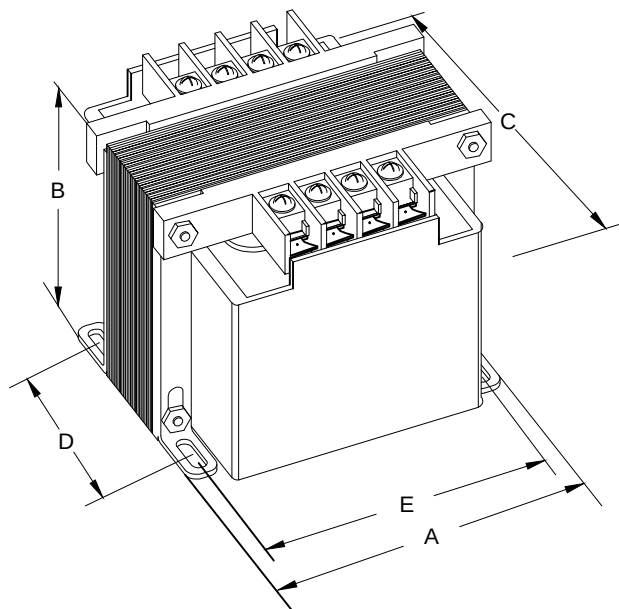


WIRING CONNECTION

PRIMARY :		
VOLTS	CONNECT LINES TO :	
347	H1-H2	
380	H1-H3	
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4



Notes:



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TECHNICAL DATA

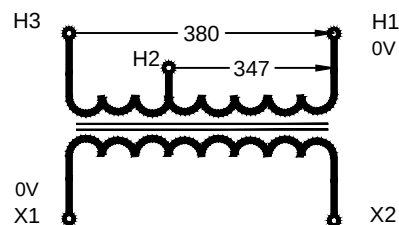
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250HH
Type	Open
VA	250
Primary (Volts)	347 / 380
Secondary (Volts)	24
Input /Output Amps	0.72 , 0.66 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

Primary Tabs

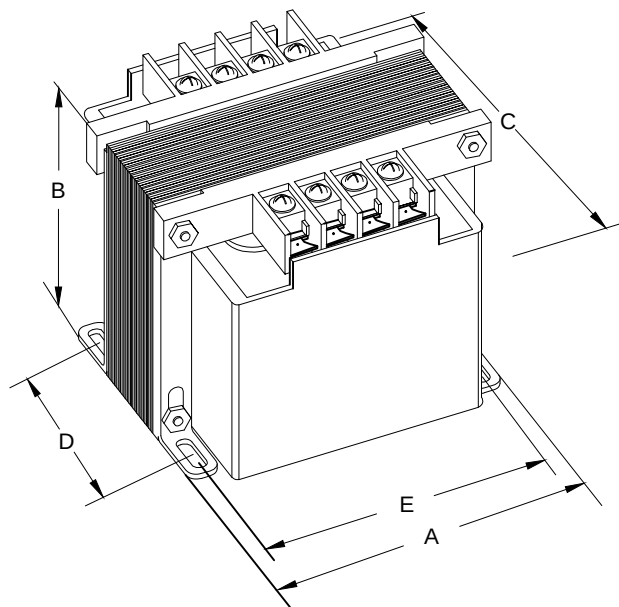
Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
347	H1-H2
380	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
24	X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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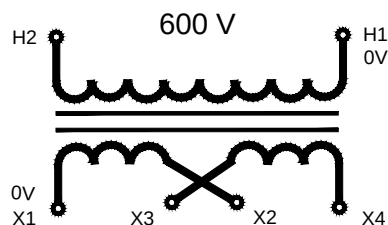
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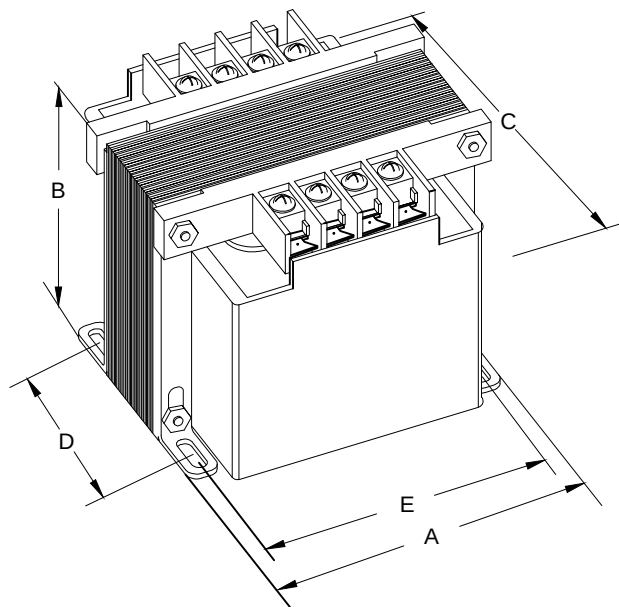
MODEL	MTS250I
Type	Open
VA	250
Primary (Volts)	600
Secondary (Volts)	12 / 24
Input /Output Amps	0.42 / 20.83 , 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 12	INTERCONNECT: X1-X3 AND X2-X4	CONNECT LINES TO : X1-X4
24	X2-X3	X1-X4
12/24	X2-X3	X1-X3-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



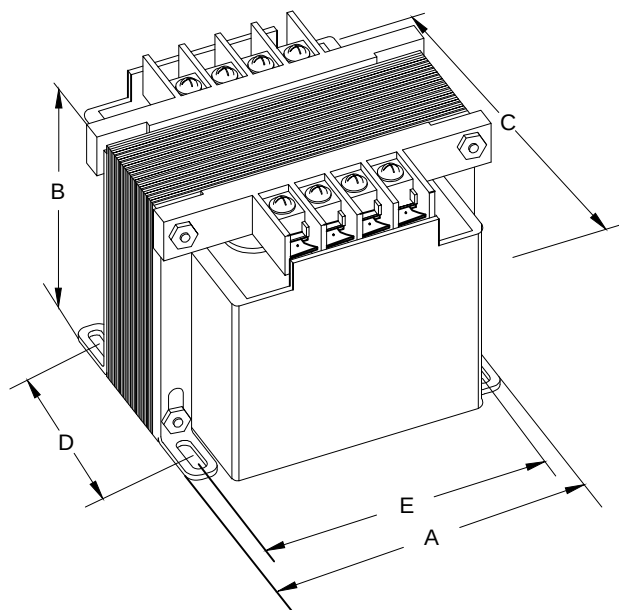
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

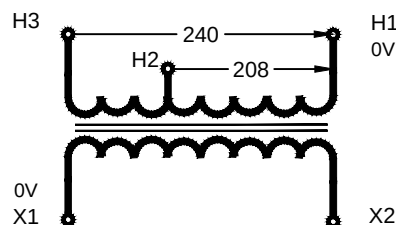
DESCRIPTION	
MODEL	MTS250II
Type	Open
VA	250
Primary (Volts)	208 / 240
Secondary (Volts)	24
Input /Output Amps	1.20 , 1.04 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	208	240				

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS	CONNECT LINES TO :
208	H1-H2
240	H1-H3
SECONDARY :	
VOLTS	CONNECT LINES TO :
24	X1-X2

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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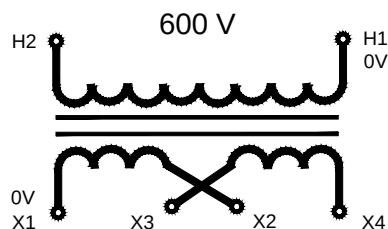
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SINGLE PHASE CONTROL TRANSFORMER

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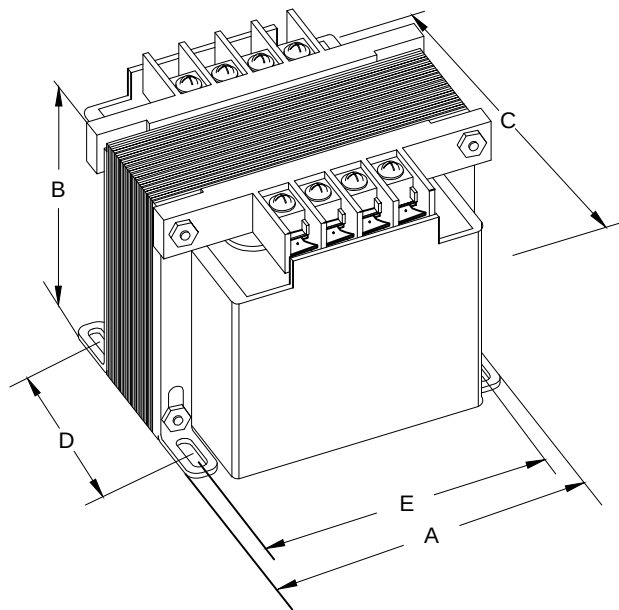
MODEL	MTS250J
Type	Open
VA	250
Primary (Volts)	600
Secondary (Volts)	120 / 240
Input /Output Amps	0.42 / 2.08 , 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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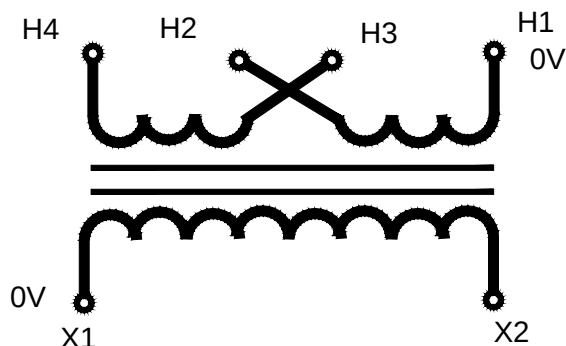
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SINGLE PHASE CONTROL TRANSFORMER

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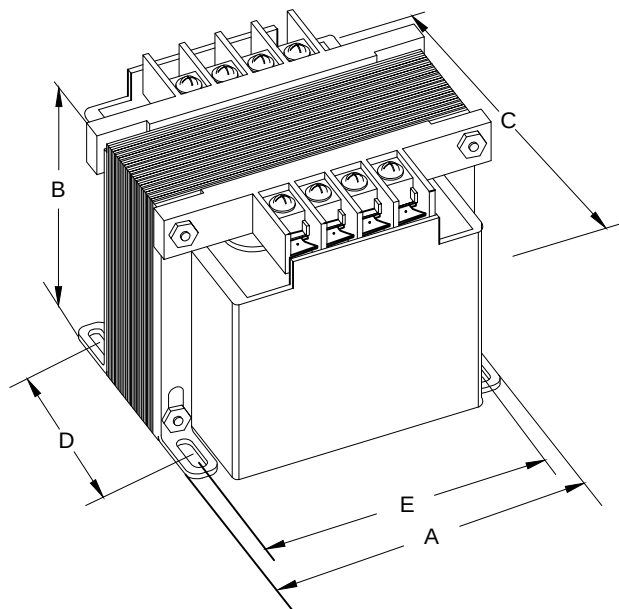
MODEL	MTS250JJ
Type	Open
VA	250
Primary (Volts)	240 / 480
Secondary (Volts)	24
Input /Output Amps	1.04 , 0.52 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4
SECONDARY :		
VOLTS	CONNECT LINES TO :	
24	X1-X2	



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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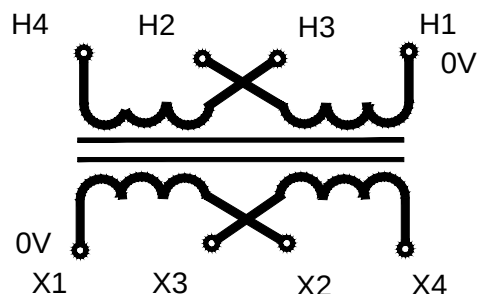
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SINGLE PHASE CONTROL TRANSFORMER

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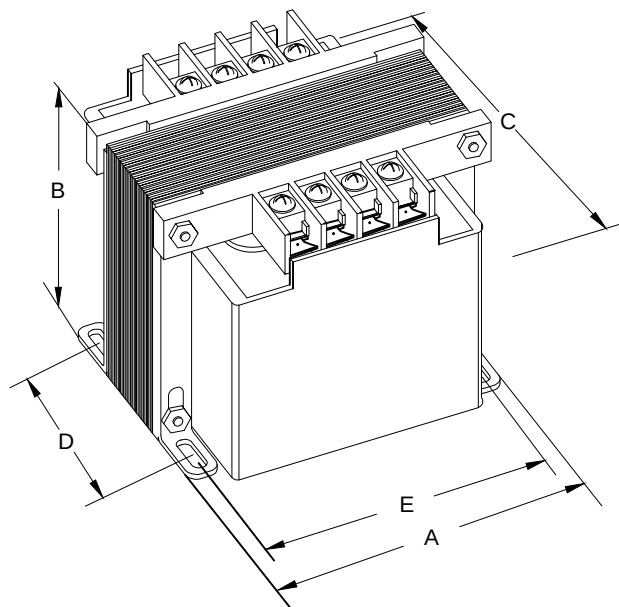
MODEL	MTS250K
Type	Open
VA	250
Primary (Volts)	240 / 480
Secondary (Volts)	12 / 24
Input/Output Amps	1.04 , 0.52 / 20.83 , 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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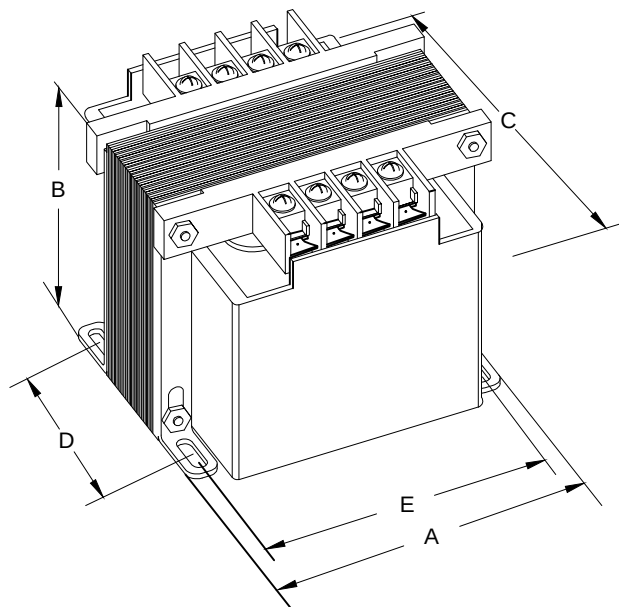
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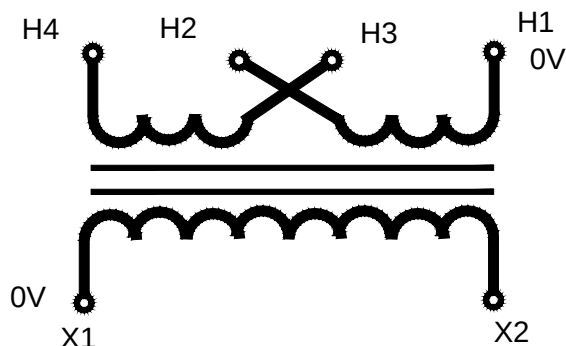
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS250KK
Type	Open
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	24
Input /Output Amps	2.08 , 1.04 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4
SECONDARY :		
VOLTS	CONNECT LINES TO :	
24	X1-X2	

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



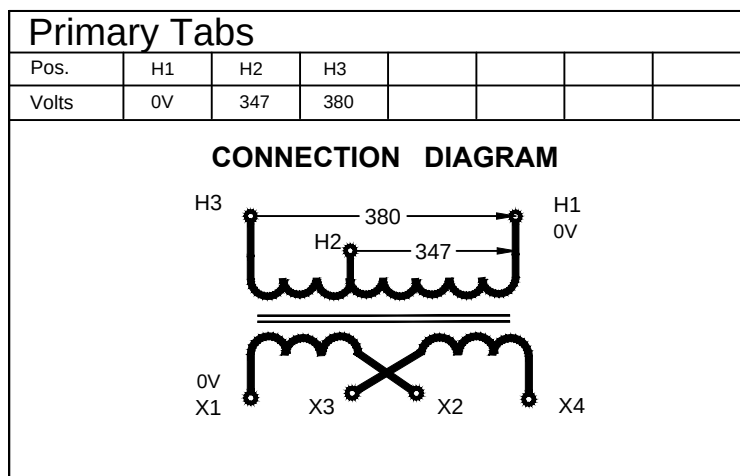
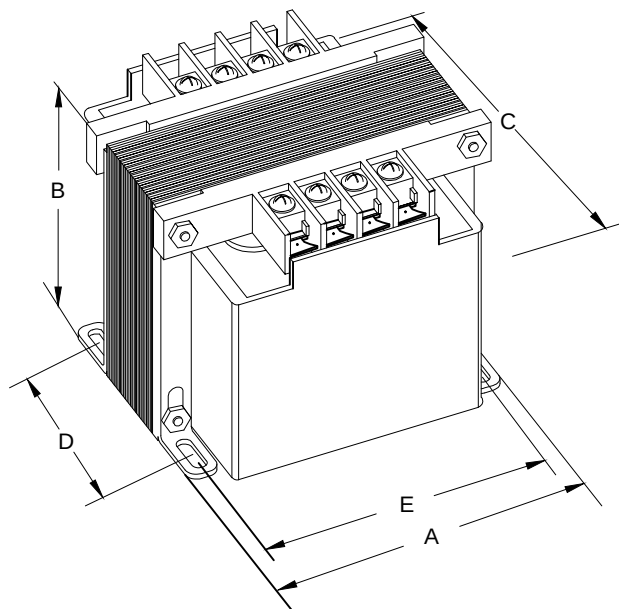
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS250L
Type	Open
VA	250
Primary (Volts)	347 / 380
Secondary (Volts)	12 / 24
Input/Output Amps	0.72 , 0.66 / 20.83 , 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



WIRING CONNECTION

PRIMARY :		
VOLTS 347 380	CONNECT LINES TO : H1-H2 H1-H3	
SECONDARY :		
VOLTS 12 24	INTERCONNECT: X1-X3 AND X2-X4 X2-X3	CONNECT LINES TO : X1-X4 X1-X4

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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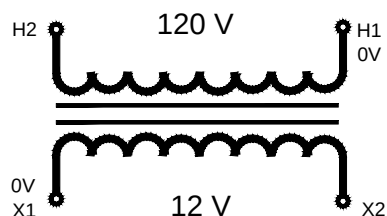
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SINGLE PHASE CONTROL TRANSFORMER

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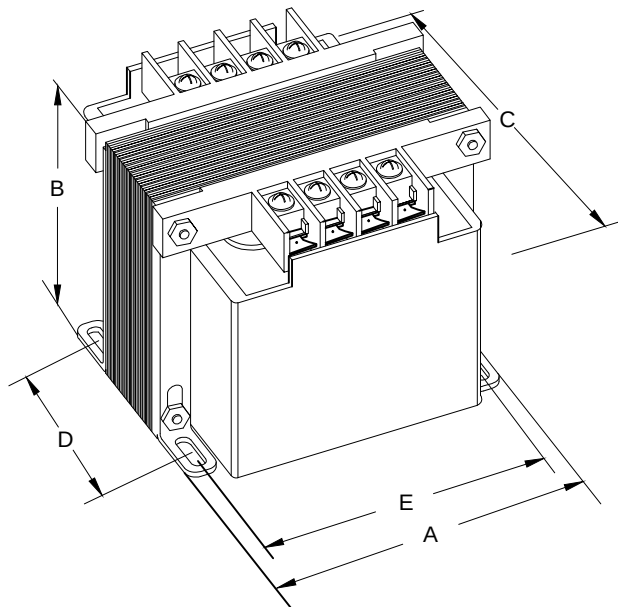
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Type	Open
VA	250
Primary (Volts)	120
Secondary (Volts)	12
Input /Output Amps	2.08 / 20.83
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 12	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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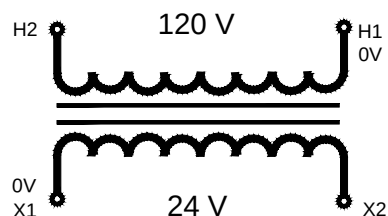
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SINGLE PHASE CONTROL TRANSFORMER

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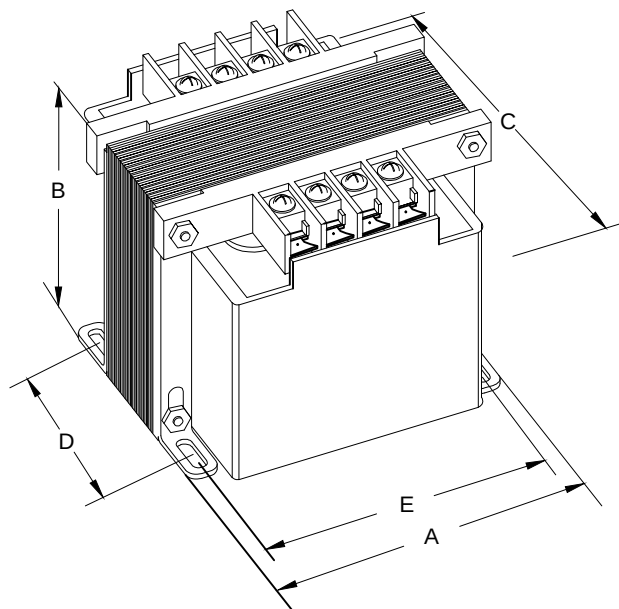
MODEL	MTS250N
Type	Open
VA	250
Primary (Volts)	120
Secondary (Volts)	24
Input /Output Amps	2.08 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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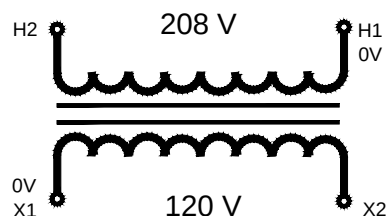
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SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

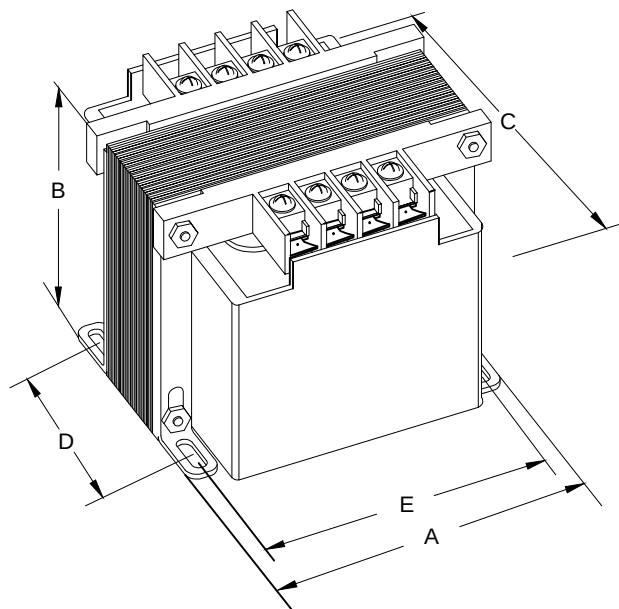
MODEL	MTS2500
Type	Open
VA	250
Primary (Volts)	208
Secondary (Volts)	120
Input /Output Amps	1.20 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 208	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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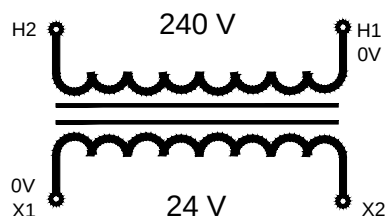
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SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

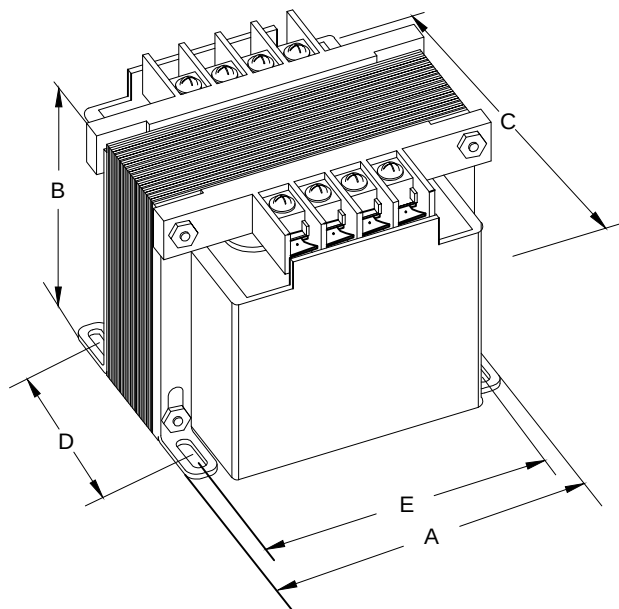
MODEL	MTS250P
Type	Open
VA	250
Primary (Volts)	240
Secondary (Volts)	24
Input /Output Amps	1.04 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 240	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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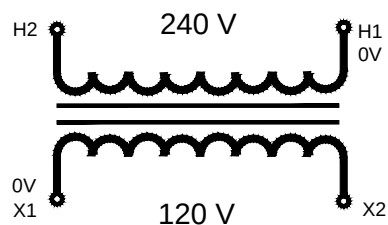
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

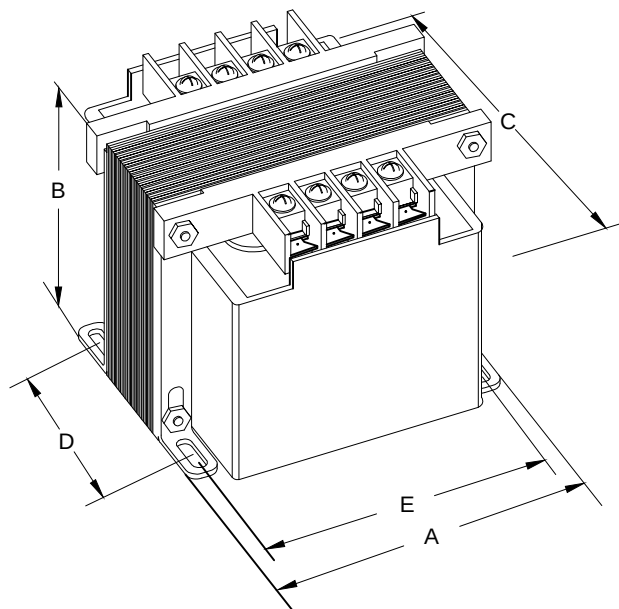
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Type	Open
VA	250
Primary (Volts)	240
Secondary (Volts)	120
Input /Output Amps	1.04 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 240	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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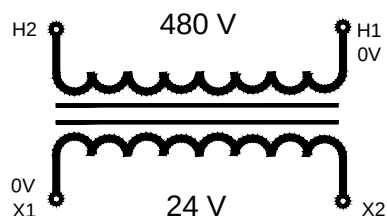
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

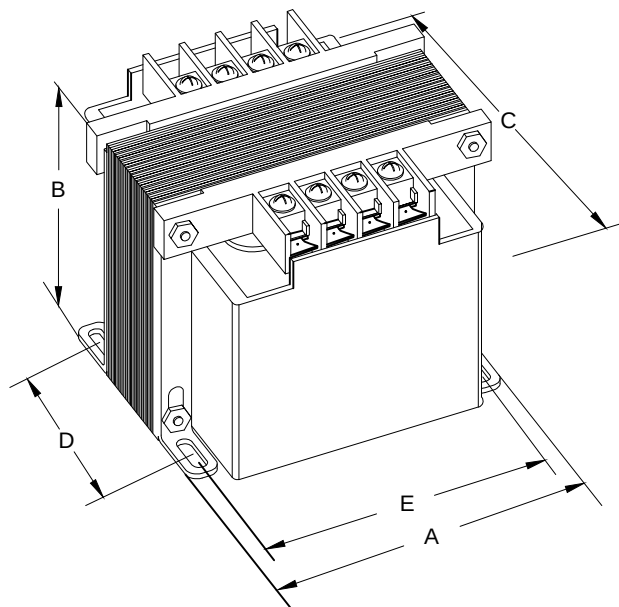
MODEL	MTS250R
Type	Open
VA	250
Primary (Volts)	480
Secondary (Volts)	24
Input /Output Amps	0.52 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 480	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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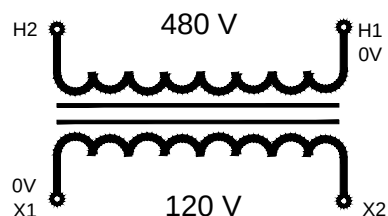
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

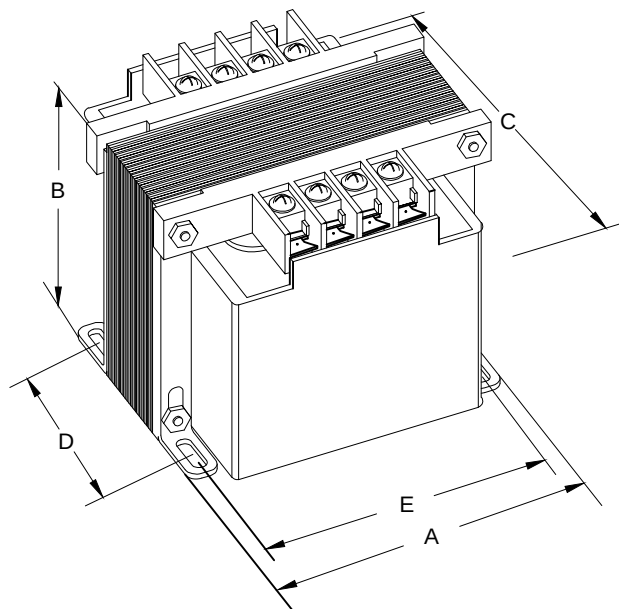
MODEL	MTS250S
Type	Open
VA	250
Primary (Volts)	480
Secondary (Volts)	120
Input /Output Amps	0.52 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 480	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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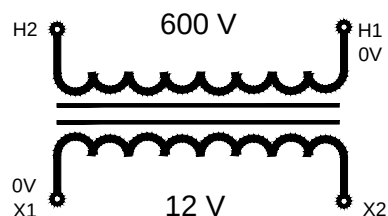
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

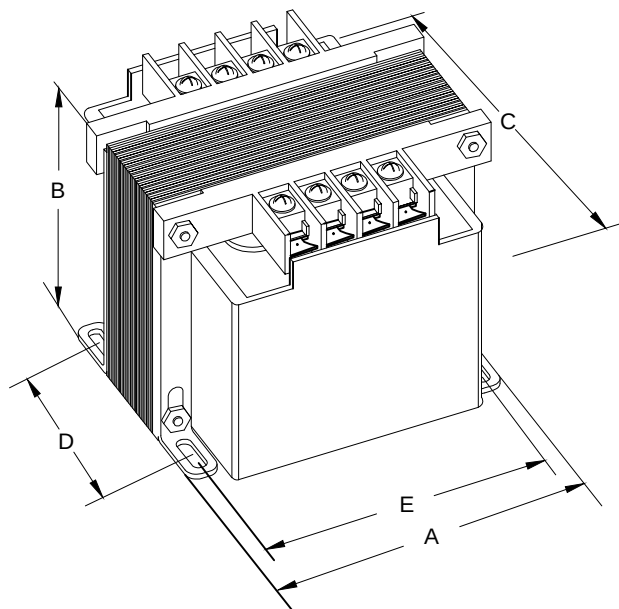
MODEL	MTS250T
Type	Open
VA	250
Primary (Volts)	600
Secondary (Volts)	12
Input /Output Amps	0.42 / 20.83
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 12	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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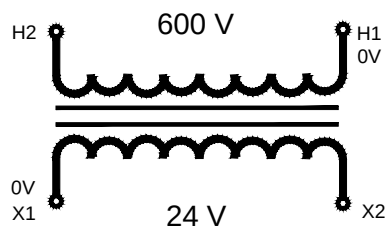
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

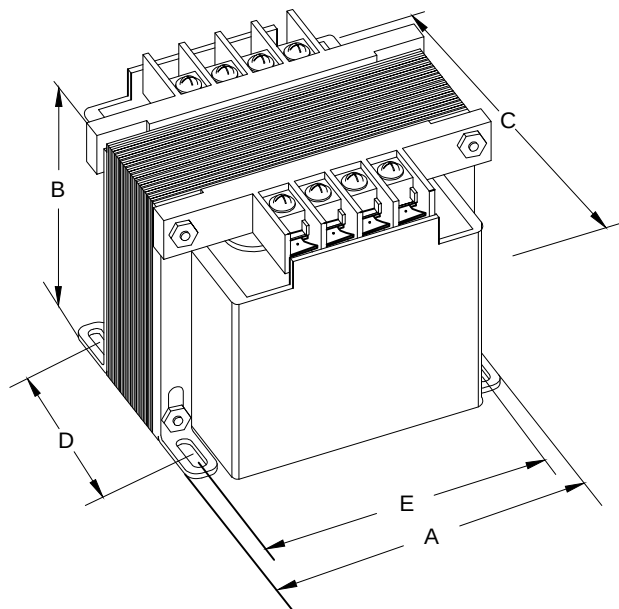
MODEL	MTS250U
Type	Open
VA	250
Primary (Volts)	600
Secondary (Volts)	24
Input /Output Amps	0.42 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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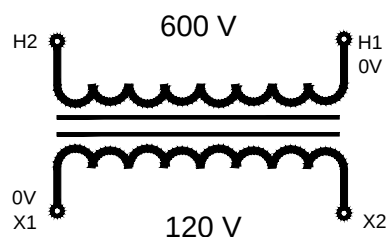
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

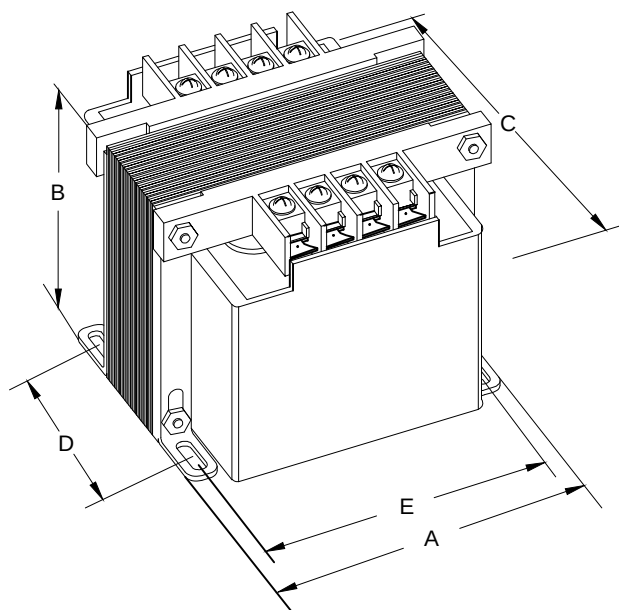
MODEL	MTS250V
Type	Open
VA	250
Primary (Volts)	600
Secondary (Volts)	120
Input /Output Amps	0.42 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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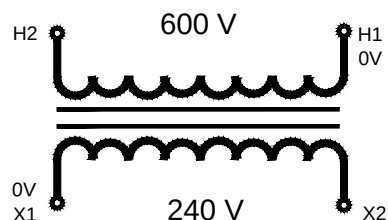
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

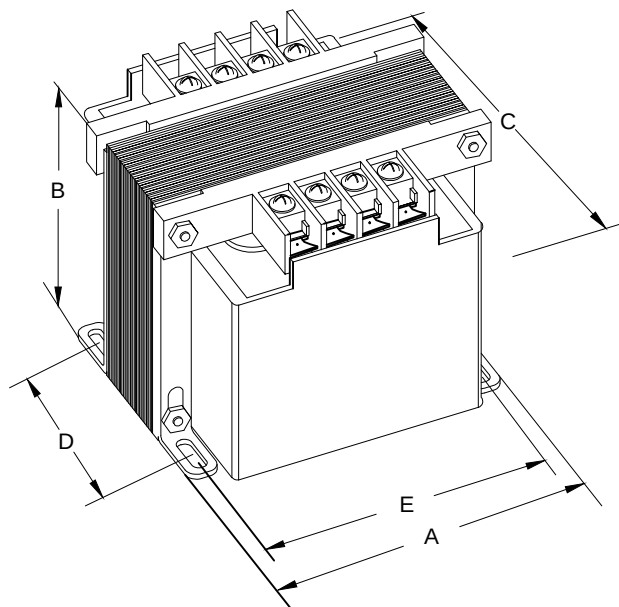
MODEL	MTS250W
Type	Open
VA	250
Primary (Volts)	600
Secondary (Volts)	240
Input /Output Amps	0.42 / 1.04
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 240	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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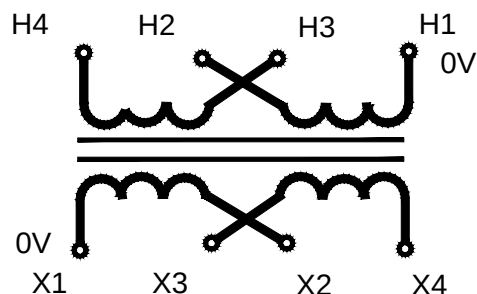
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

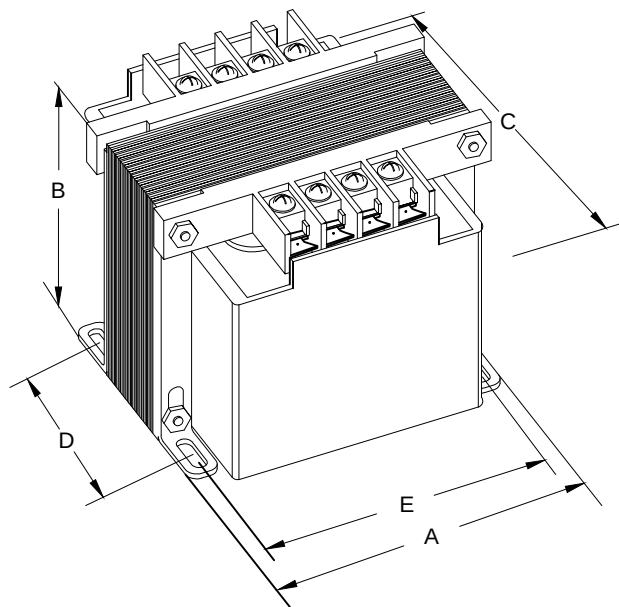
MODEL	MTS250X
Type	Open
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	16 / 32
Input /Output Amps	2.08 , 1.04 / 15.63 , 7.81
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
16	X1-X3 AND X2-X4	X1-X4
32	X2-X3	X1-X4



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes:



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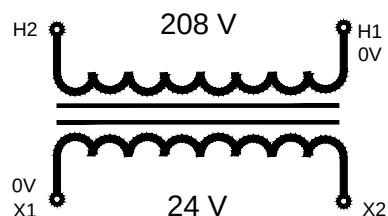
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

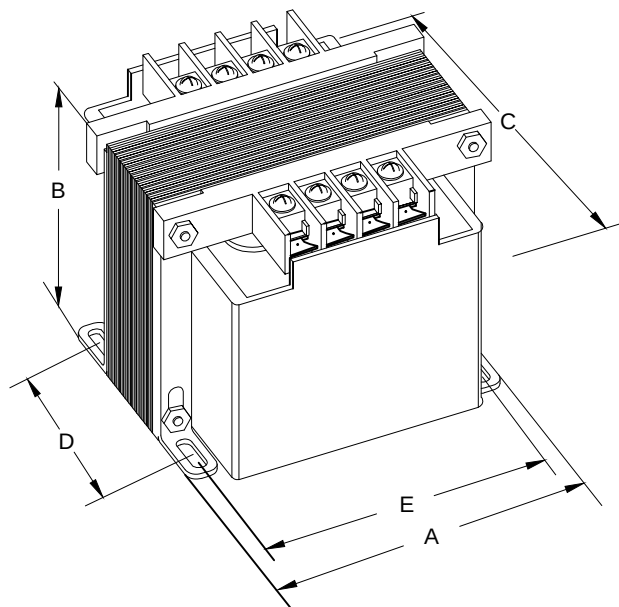
MODEL	MTS250Y
Type	Open
VA	250
Primary (Volts)	208
Secondary (Volts)	24
Input /Output Amps	1.20 / 10.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :	
VOLTS 208	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
250	4.50 114.3	3.75 95.3	4.75 120.7	2.75 69.9	3.75 95.3	0.21 x 0.625 5.3 x 15.9	7.50 3.4

Notes: