



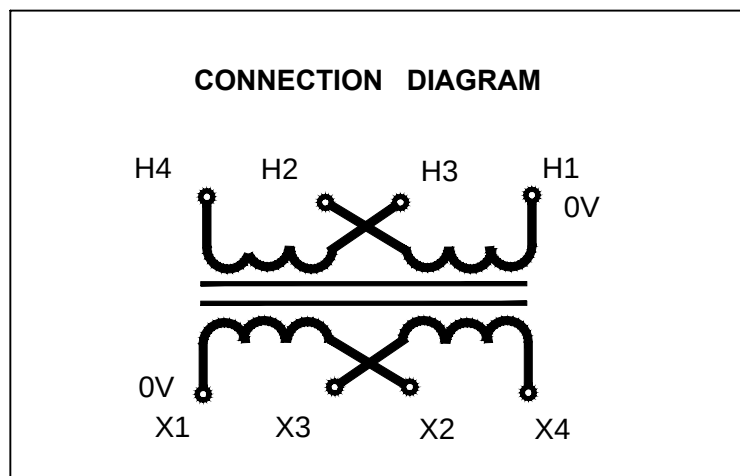
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 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

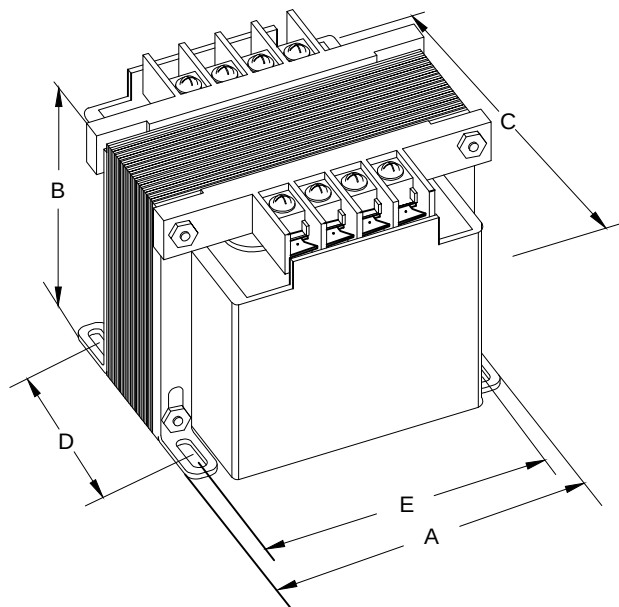
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50A
Type	Open
VA	50
Primary (Volts)	120 / 240
Secondary (Volts)	12 / 24
Input /Output Amps	0.42 , 0.21 / 4.17 , 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



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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



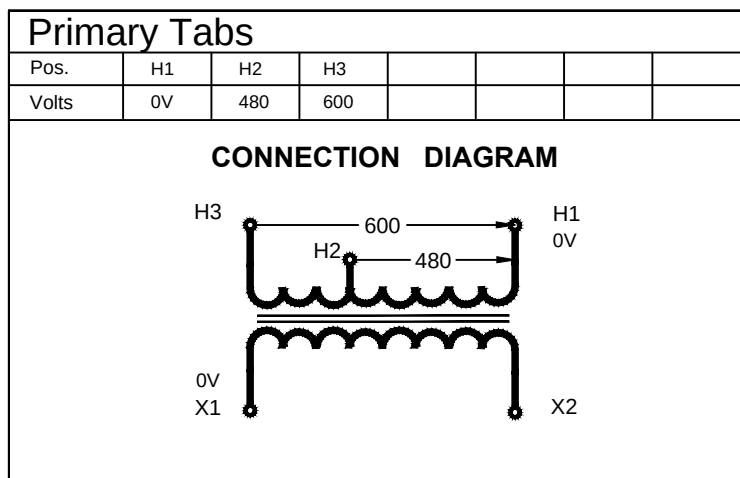
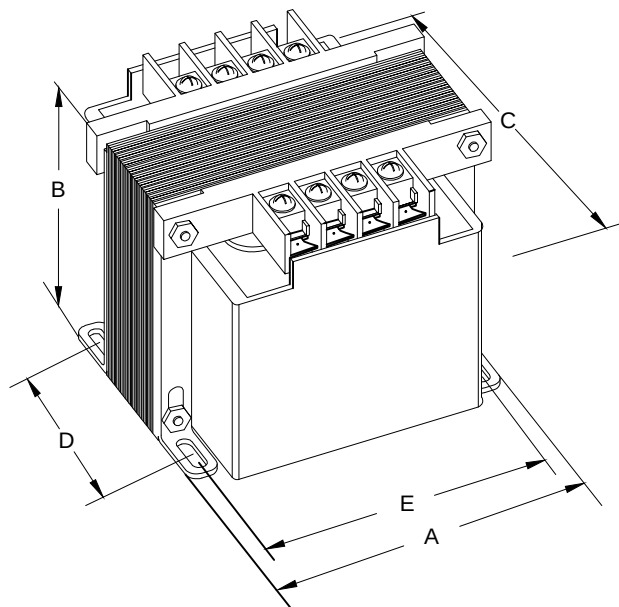
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50AA
Type	Open
VA	50
Primary (Volts)	480 / 600
Secondary (Volts)	120
Input /Output Amps	0.10 , 0.08 / 0.42
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 :
120	X1-X2

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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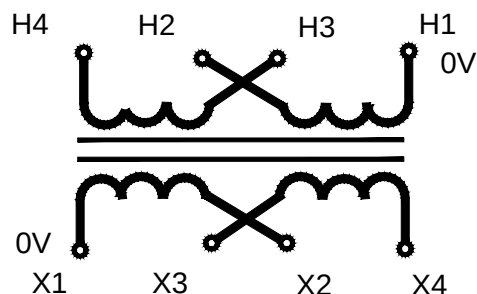
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50B
Type	Open
VA	50
Primary (Volts)	120 / 240
Secondary (Volts)	120 / 240
Input /Output Amps	0.42 , 0.21 / 0.42 , 0.21
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

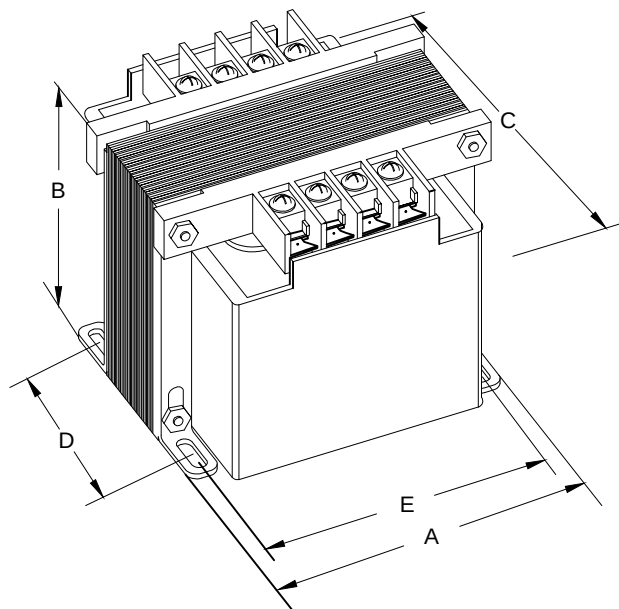


WIRING CONNECTION

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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0



Notes:



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TECHNICAL DATA

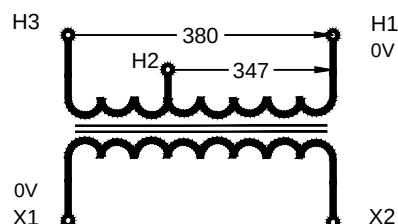
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50BB
Type	Open
VA	50
Primary (Volts)	347 / 380
Secondary (Volts)	120
Input /Output Amps	0.14 , 0.13 / 0.42
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

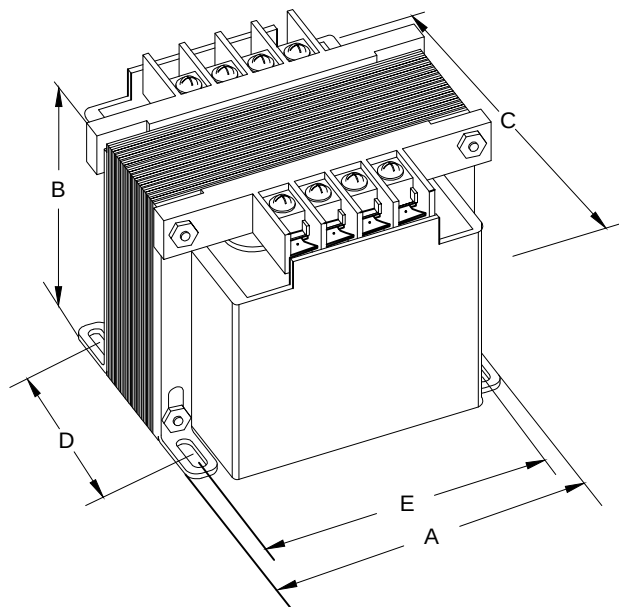
Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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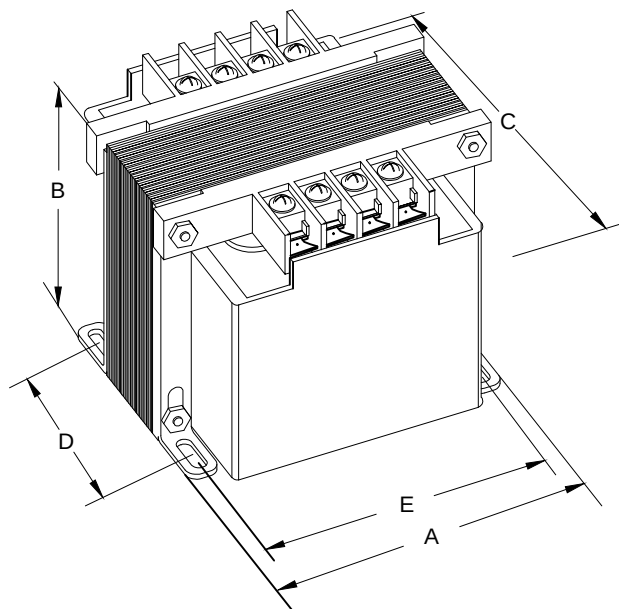
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TECHNICAL DATA

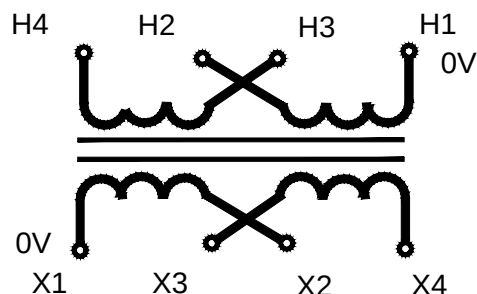
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50C
Type	Open
VA	50
Primary (Volts)	208 / 416
Secondary (Volts)	12 / 24
Input /Output Amps	0.24 , 0.12 / 4.16 , 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 :
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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

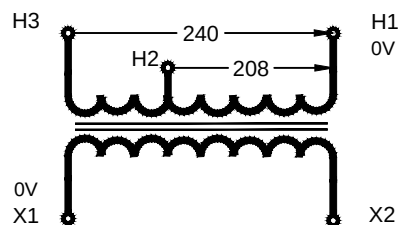
DESCRIPTION

MODEL	MTS50CC
Type	Open
VA	50
Primary (Volts)	208 / 240
Secondary (Volts)	120
Input /Output Amps	0.24 , 0.21 / 0.42
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

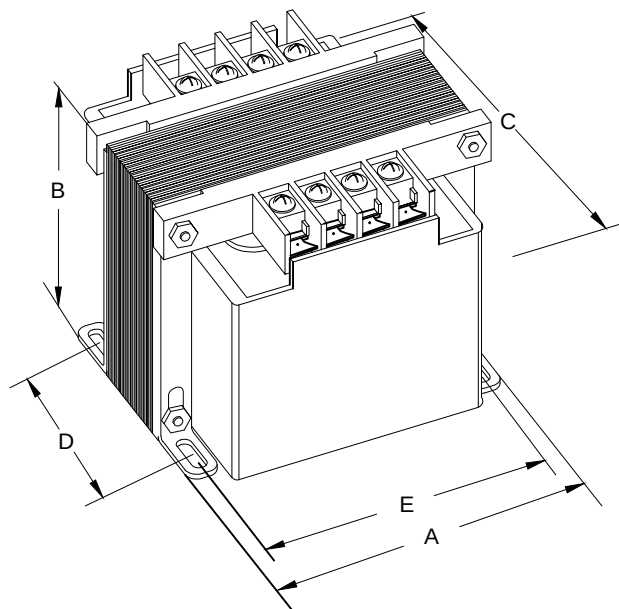
Pos.	H1	H2	H3				
Volts	0V	208	240				

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



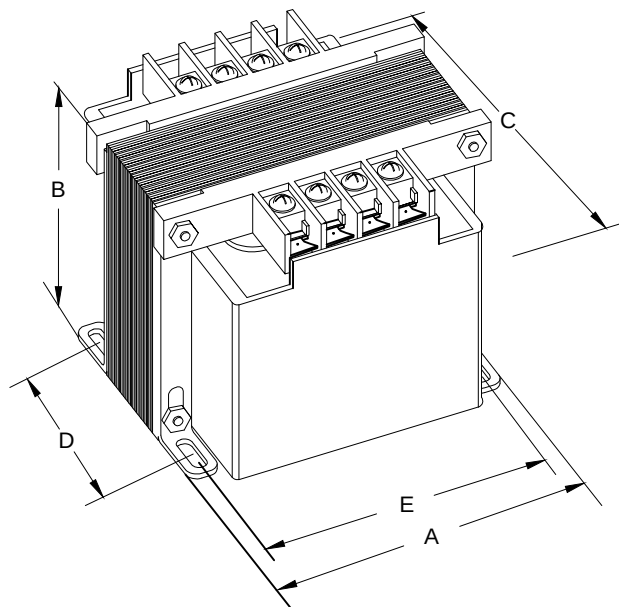
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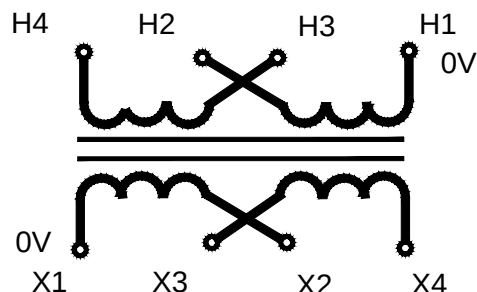
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50D
Type	Open
VA	50
Primary (Volts)	208 / 416
Secondary (Volts)	120 / 240
Input /Output Amps	0.24 , 0.12 / 0.42 , 0.21
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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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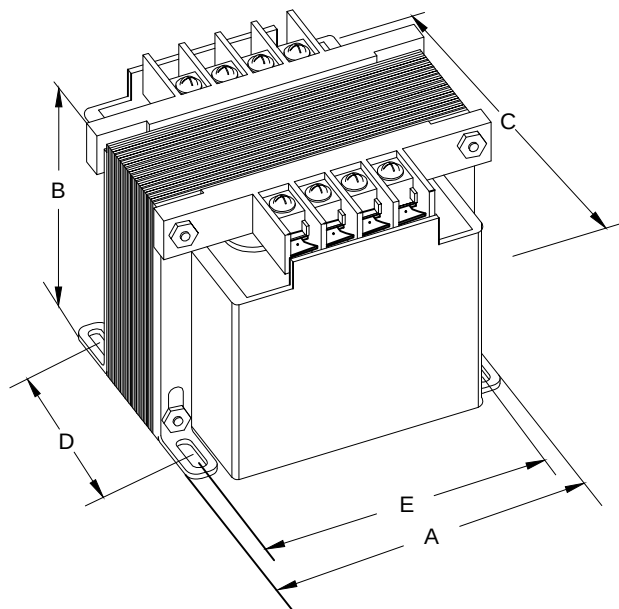
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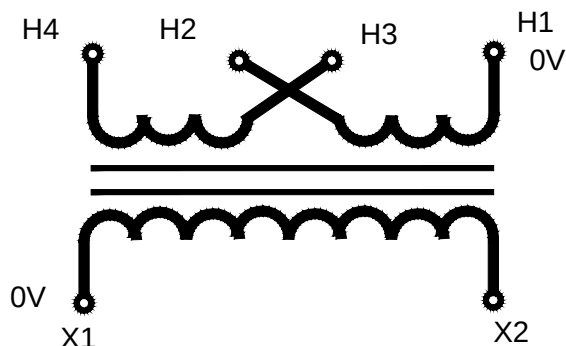
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50DD
Type	Open
VA	50
Primary (Volts)	240 / 480
Secondary (Volts)	120
Input /Output Amps	0.21 , 0.10 / 0.42
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 :	
120	X1-X2	

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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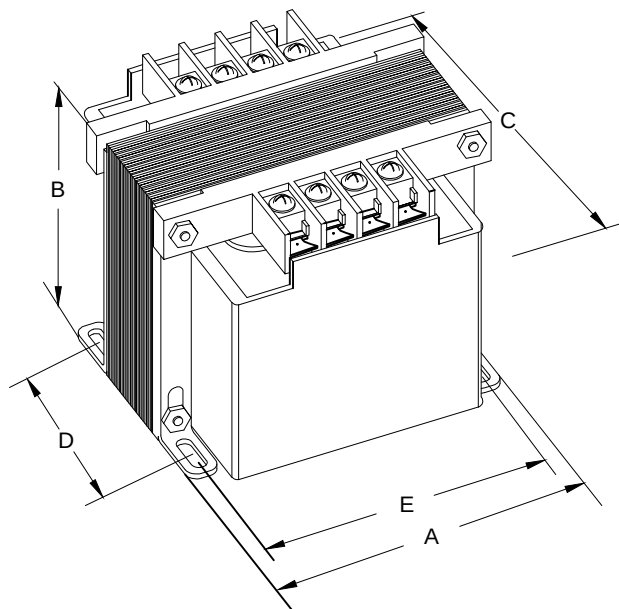
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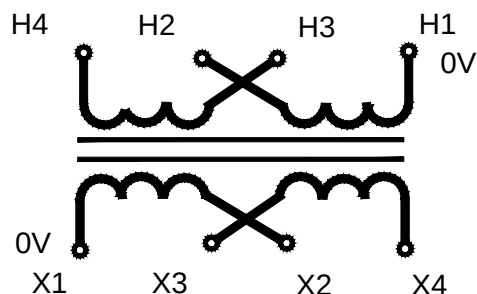
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50E
Type	Open
VA	50
Primary (Volts)	240 / 480
Secondary (Volts)	120 / 240
Input /Output Amps	0.21, 0.10 / 0.42 , 0.21
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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



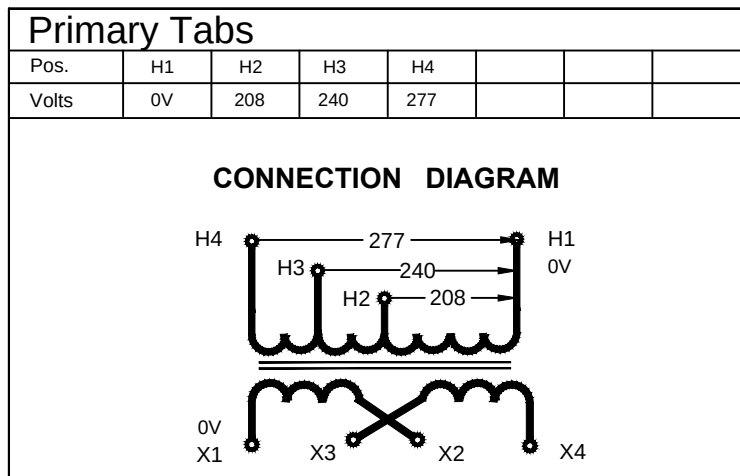
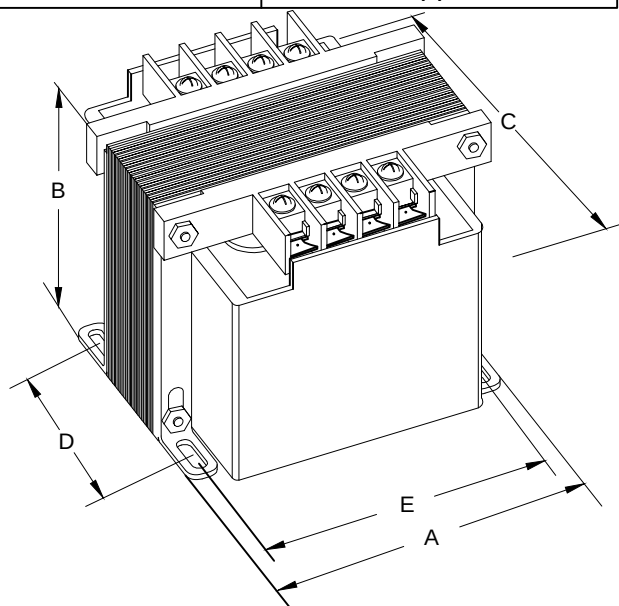
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50EE
Type	Open
VA	50
Primary (Volts)	208 / 240 / 277
Secondary (Volts)	120 / 240
Input Amps	0.24 / 0.21 / 0.18
Output Amps	0.42 / 0.21
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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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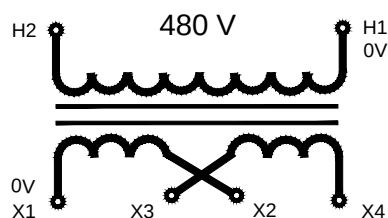
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

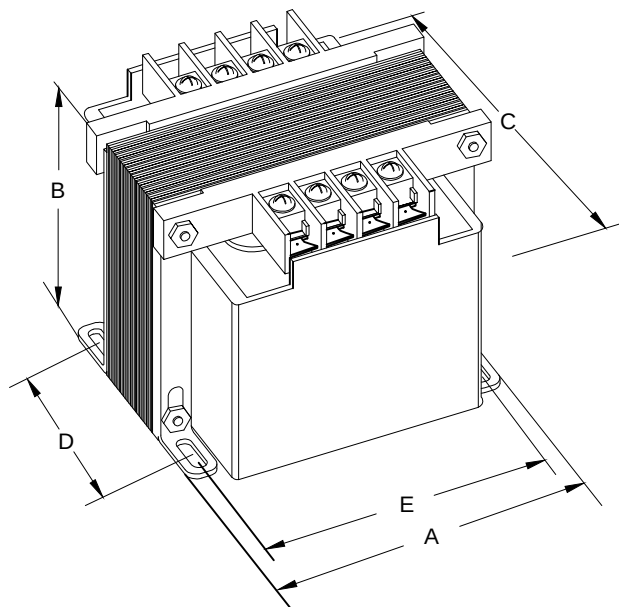
MODEL	MTS50F
Type	Open
VA	50
Primary (Volts)	480
Secondary (Volts)	12 / 24
Input /Output Amps	0.10 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 480	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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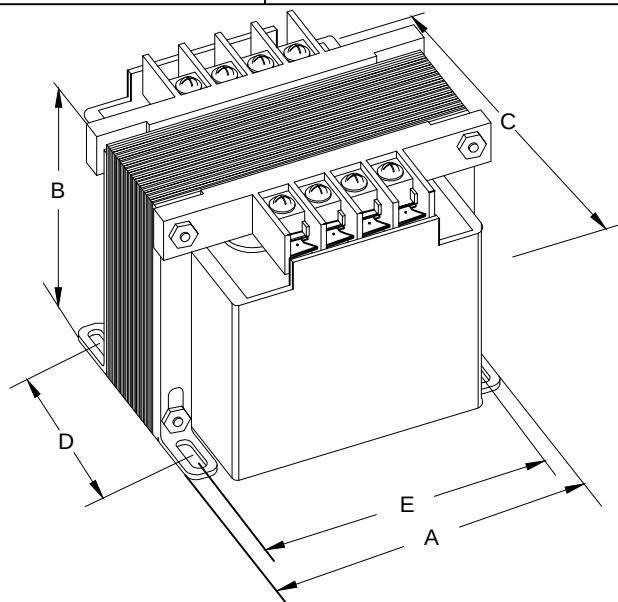
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

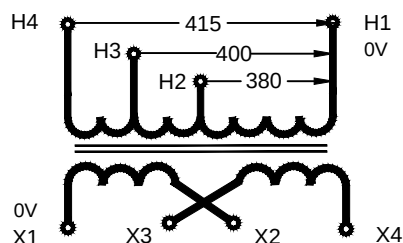
MODEL	MTS50FF
Type	Open
VA	50
Primary (Volts)	380 / 400 / 415
Secondary (Volts)	120 / 240
Input Amps	0.13 / 0.125 / 0.12
Output Amps	0.42 / 0.21
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



Primary Tabs

Pos.	H1	H2	H3	H4			
Volts	0V	380	400	415			

CONNECTION DIAGRAM



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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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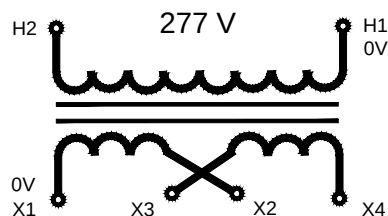
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

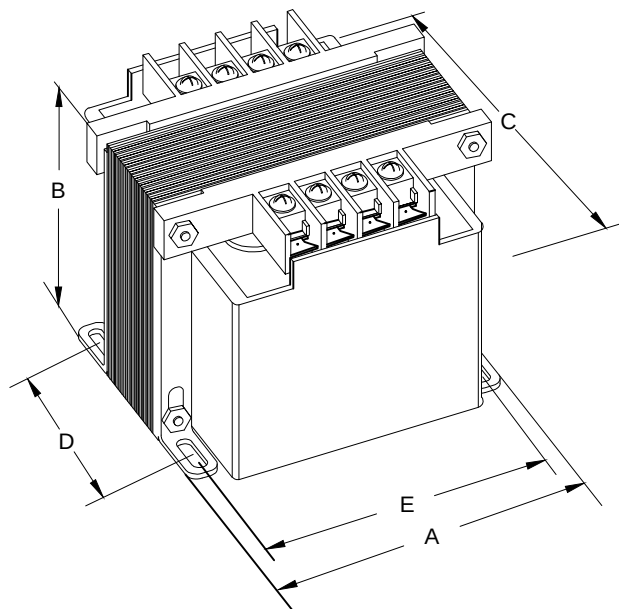
MODEL	MTS50G
Type	Open
VA	50
Primary (Volts)	277
Secondary (Volts)	120 / 240
Input /Output Amps	0.18 / 0.42 , 0.21
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

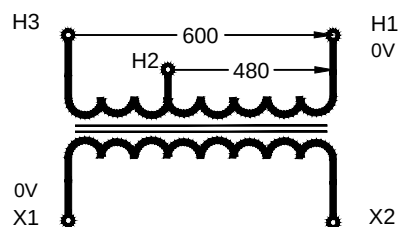
DESCRIPTION

MODEL	MTS50GG
Type	Open
VA	50
Primary (Volts)	480 / 600
Secondary (Volts)	24
Input /Output Amps	0.10 , 0.08 / 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

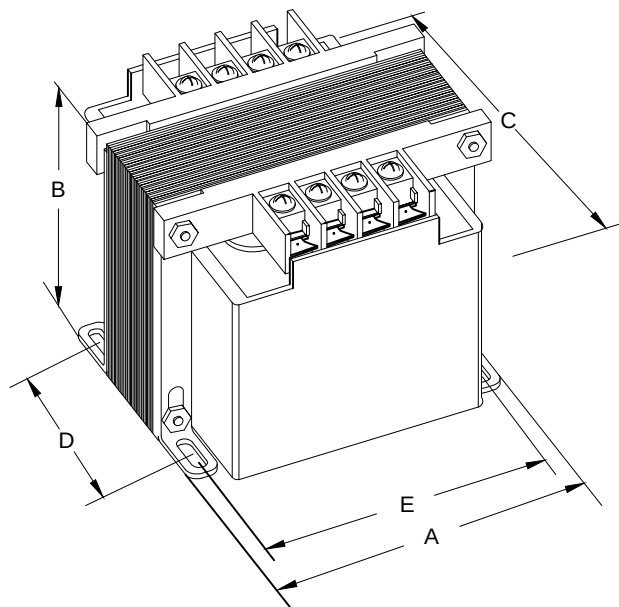
Pos.	H1	H2	H3				
Volts	0V	480	600				

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



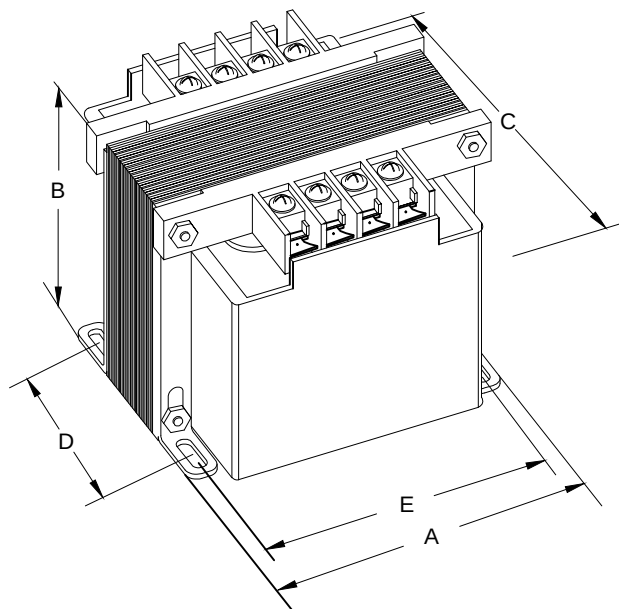
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 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

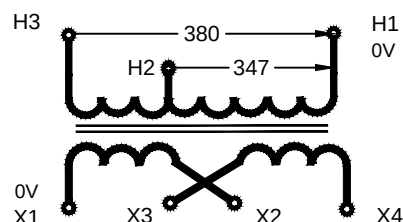
DESCRIPTION	
MODEL	MTS50H
Type	Open
VA	50
Primary (Volts)	347 / 380
Secondary (Volts)	120 / 240
Input / Output Amps	0.14 , 0.13 / 0.42 , 0.21
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed 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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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TECHNICAL DATA

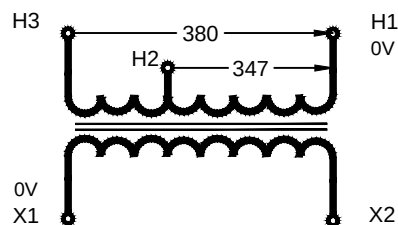
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50HH
Type	Open
VA	50
Primary (Volts)	347 / 380
Secondary (Volts)	24
Input /Output Amps	0.14 , 0.13 / 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

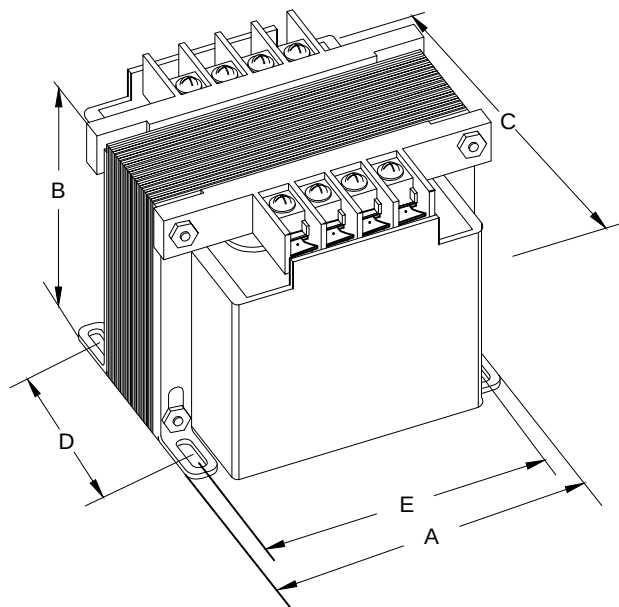
Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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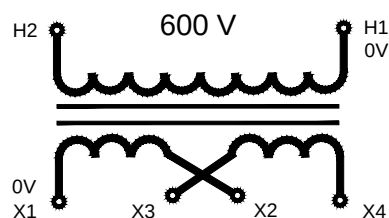
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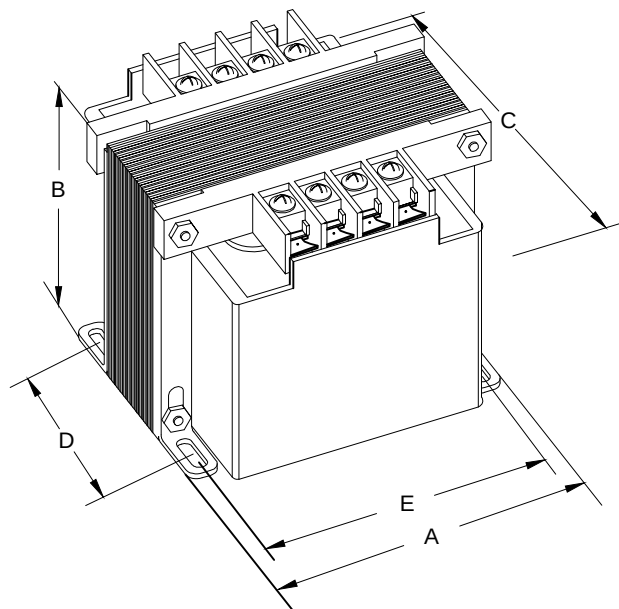
MODEL	MTS50I
Type	Open
VA	50
Primary (Volts)	600
Secondary (Volts)	12 / 24
Input /Output Amps	0.08 / 4.17 , 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



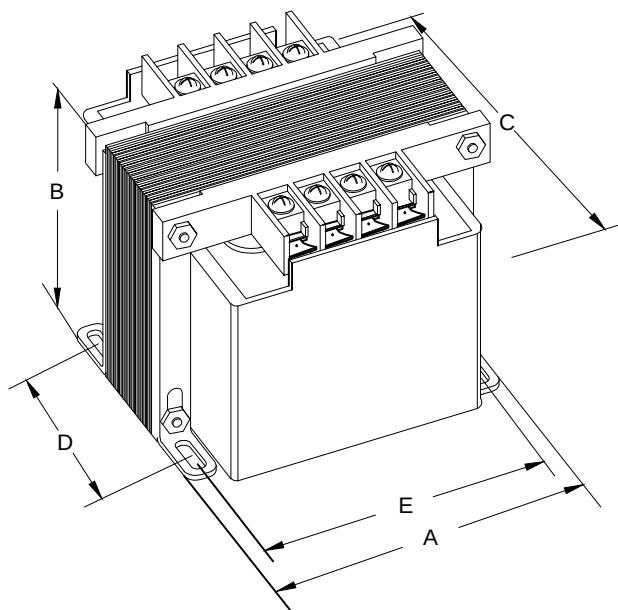
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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

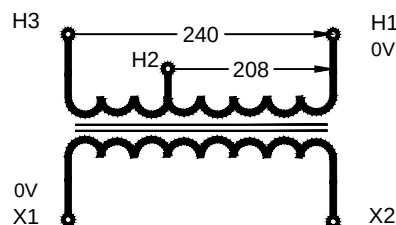
DESCRIPTION	
MODEL	MTS50II
Type	Open
VA	50
Primary (Volts)	208 / 240
Secondary (Volts)	24
Input /Output Amps	0.24 , 0.21 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved



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 :
24	X1-X2

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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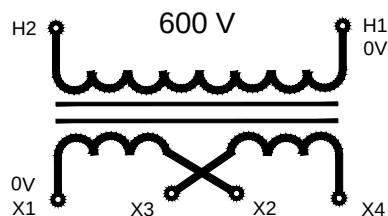
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

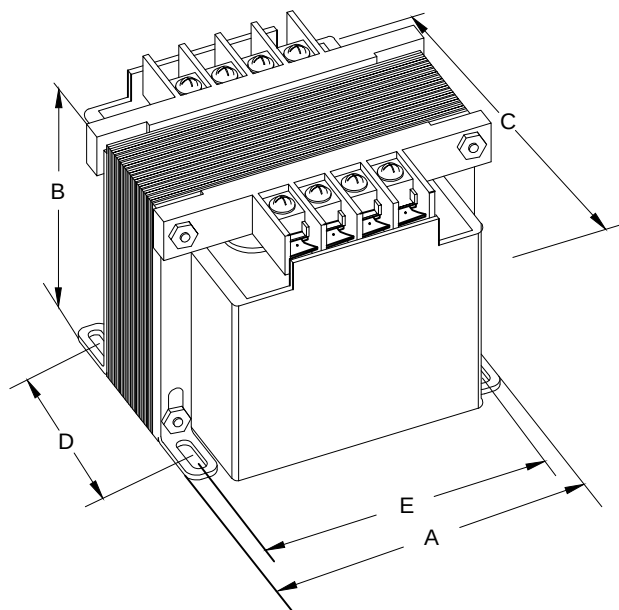
MODEL	MTB50J
Type	Open
VA	50
Primary (Volts)	600
Secondary (Volts)	120 / 240
Input /Output Amps	0.08 / 0.42 , 0.21
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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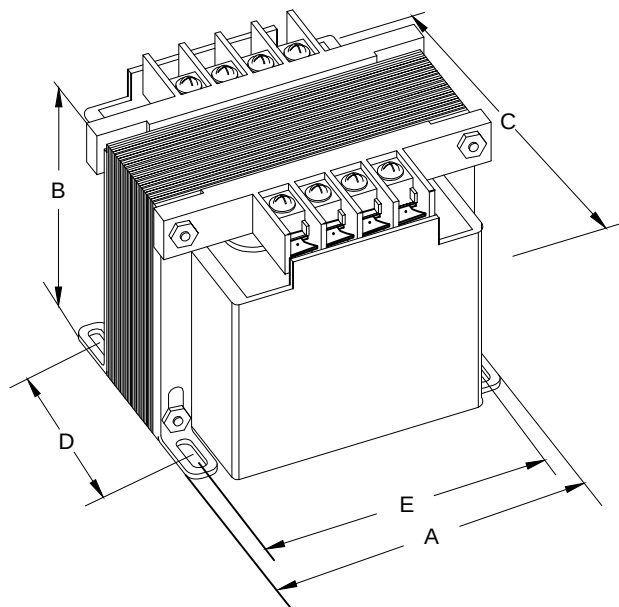
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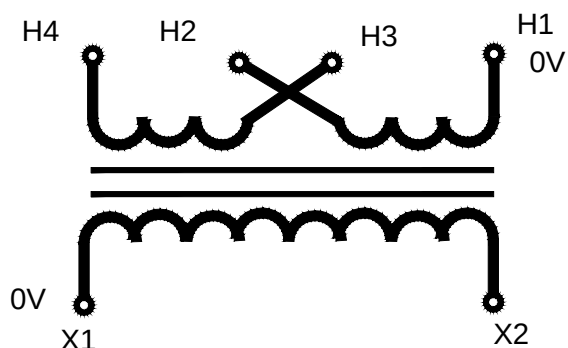
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50JJ
Type	Open
VA	50
Primary (Volts)	240 / 480
Secondary (Volts)	24
Input /Output Amps	0.21 , 0.10 / 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 :	
24	X1-X2	

DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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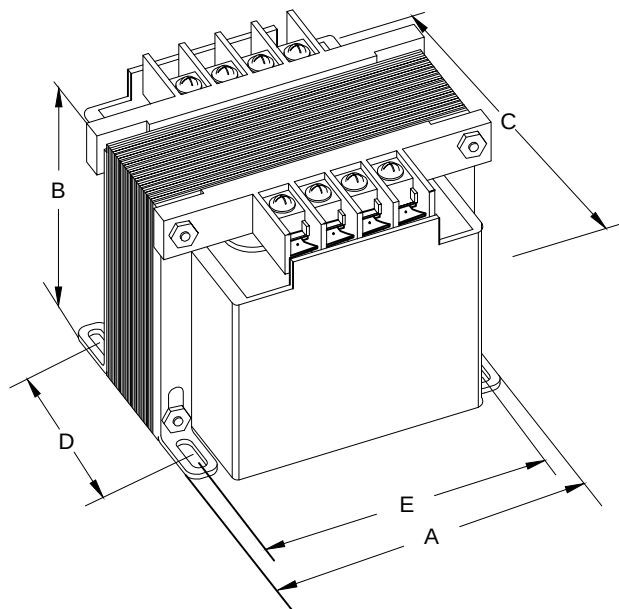
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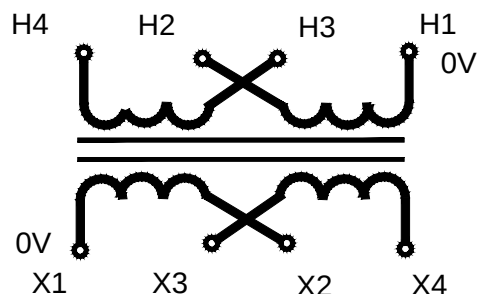
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50K
Type	Open
VA	50
Primary (Volts)	240 / 480
Secondary (Volts)	12 / 24
Input /Output Amps	0.21 , 0.10 / 4.12 , 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	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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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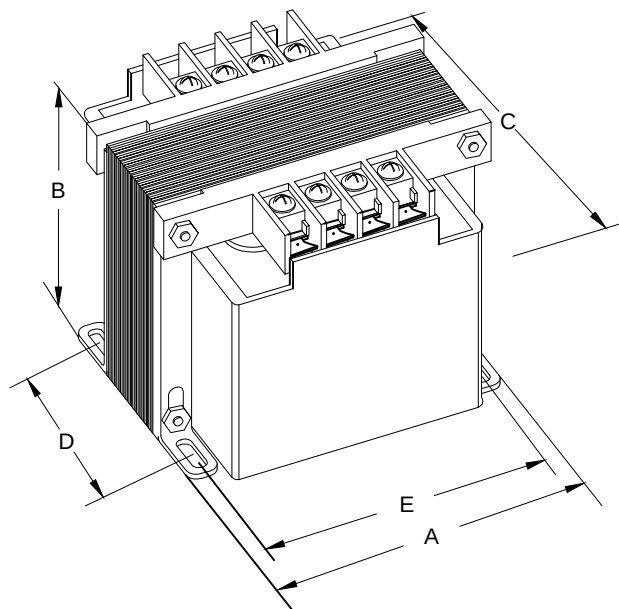
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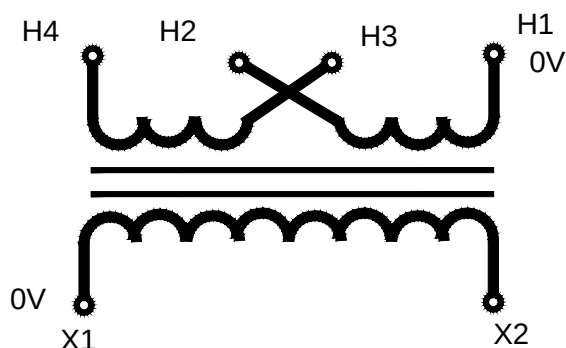
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MTS50KK
Type	Open
VA	50
Primary (Volts)	120 / 240
Secondary (Volts)	24
Input /Output Amps	0.42 , 0.21 / 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 :
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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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TECHNICAL DATA

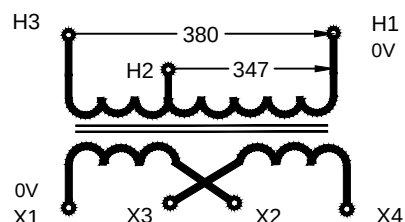
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50L
Type	Open
VA	50
Primary (Volts)	347 / 380
Secondary (Volts)	12 / 24
Input / Output Amps	0.14 , 0.13 / 4.17 , 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

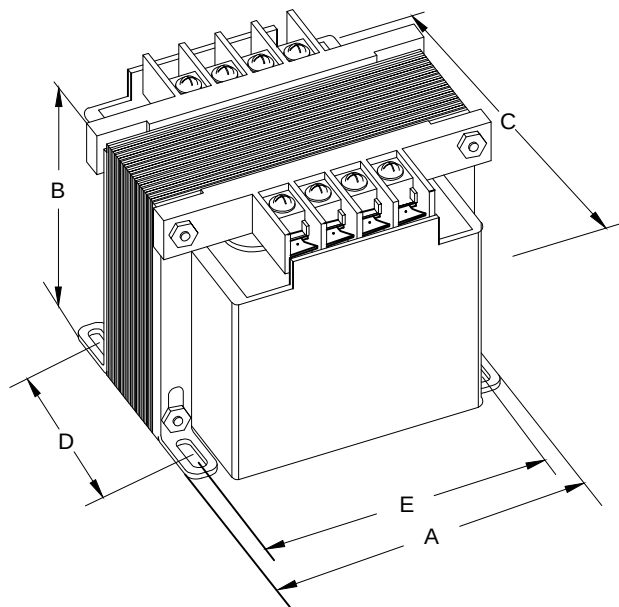


WIRING CONNECTION

PRIMARY :		
VOLTS	CONNECT LINES TO :	
347	H1-H2	
380	H1-H3	
SECONDARY :		
VOLTS	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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0



Notes:



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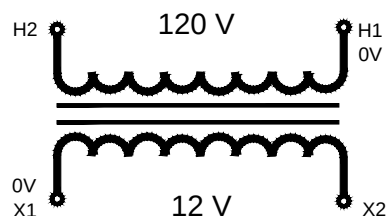
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SINGLE PHASE CONTROL TRANSFORMER

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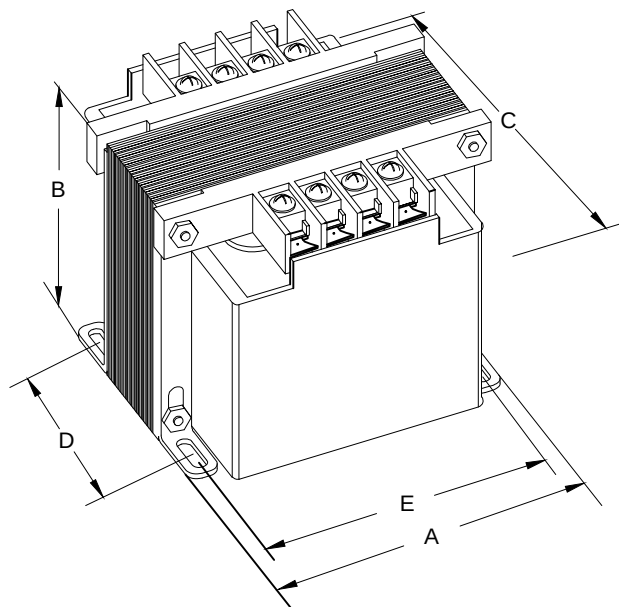
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Type	Open
VA	50
Primary (Volts)	120
Secondary (Volts)	12
Input /Output Amps	0.42 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA 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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



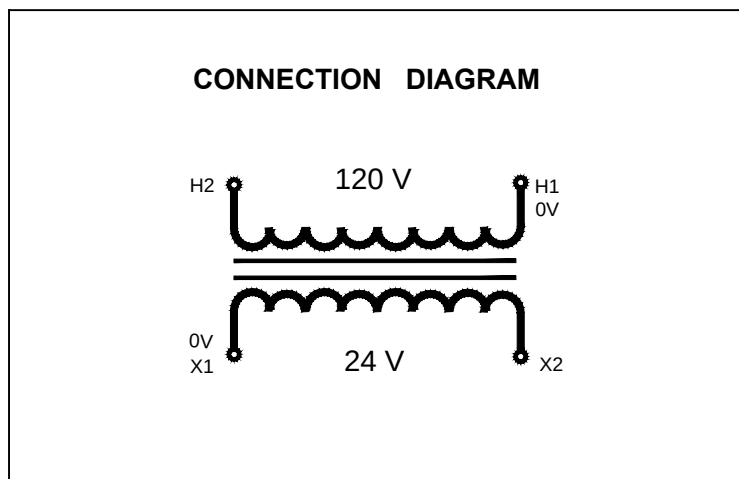
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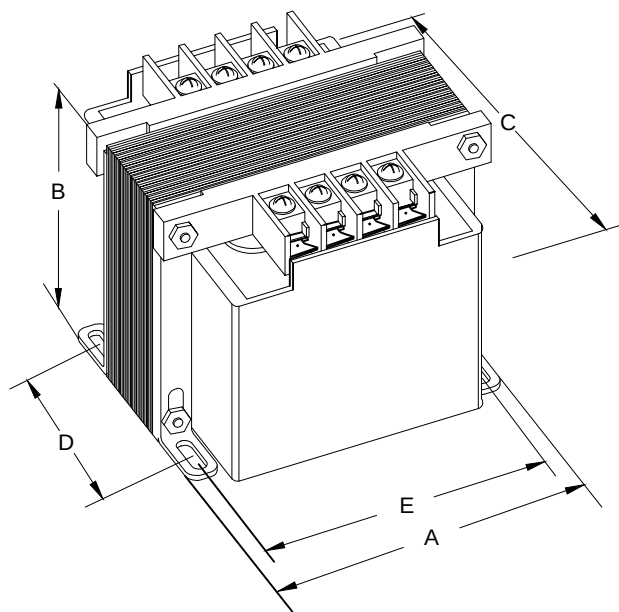
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50N
Type	Open
VA	50
Primary (Volts)	120
Secondary (Volts)	24
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



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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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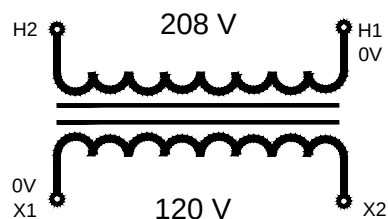
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SINGLE PHASE CONTROL TRANSFORMER

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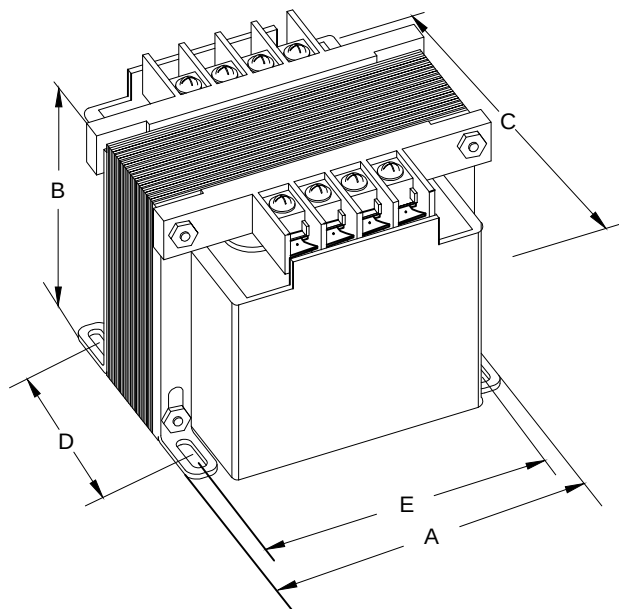
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Type	Open
VA	50
Primary (Volts)	208
Secondary (Volts)	120
Input /Output Amps	0.24 / 0.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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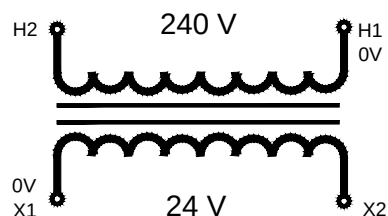
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

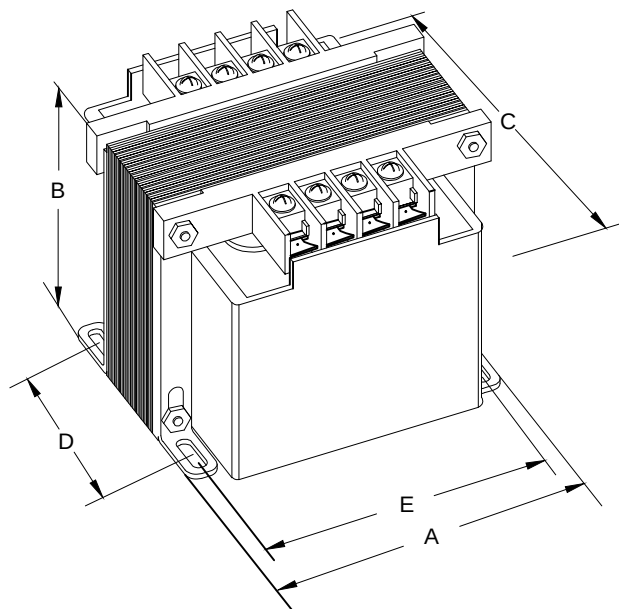
MODEL	MTS50P
Type	Open
VA	50
Primary (Volts)	240
Secondary (Volts)	24
Input /Output Amps	0.21 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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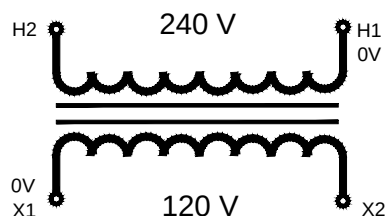
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

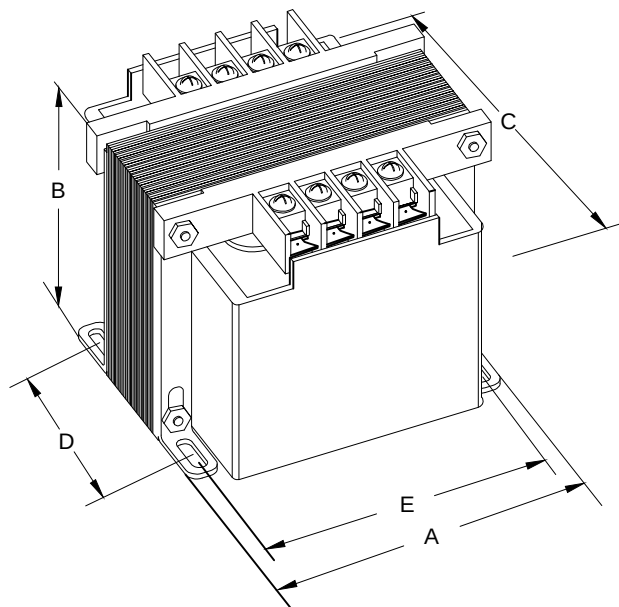
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Type	Open
VA	50
Primary (Volts)	240
Secondary (Volts)	120
Input /Output Amps	0.21 / 0.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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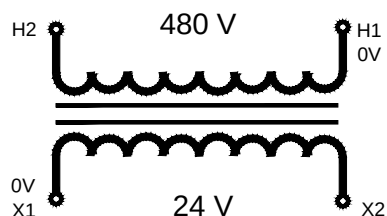
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

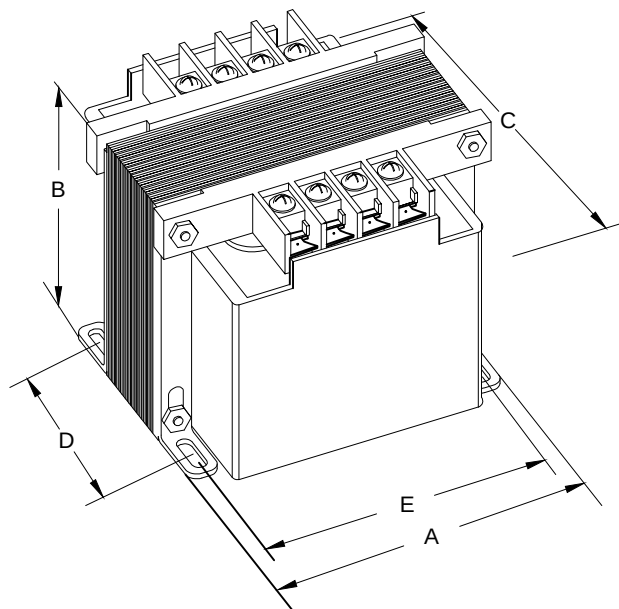
MODEL	MTS50R
Type	Open
VA	50
Primary (Volts)	480
Secondary (Volts)	24
Input /Output Amps	0.10 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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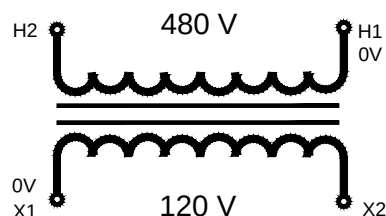
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

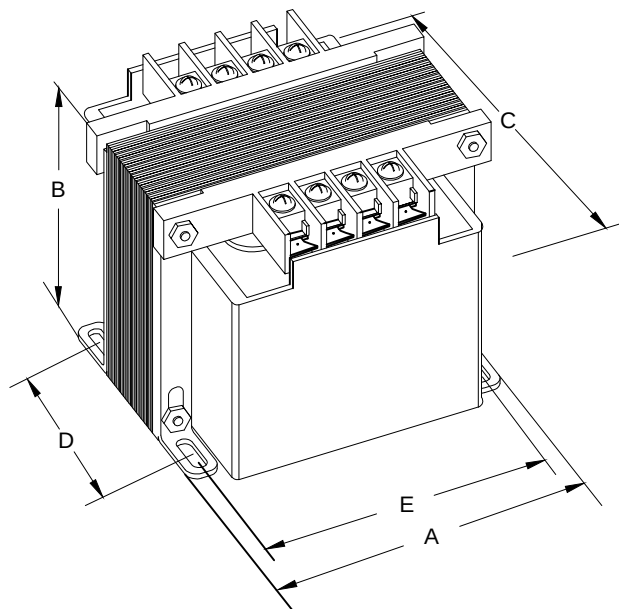
MODEL	MTS50S
Type	Open
VA	50
Primary (Volts)	480
Secondary (Volts)	120
Input /Output Amps	0.10 / 0.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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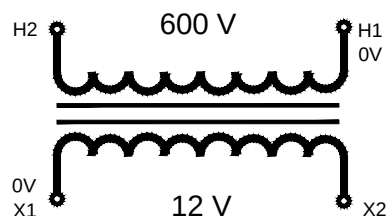
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

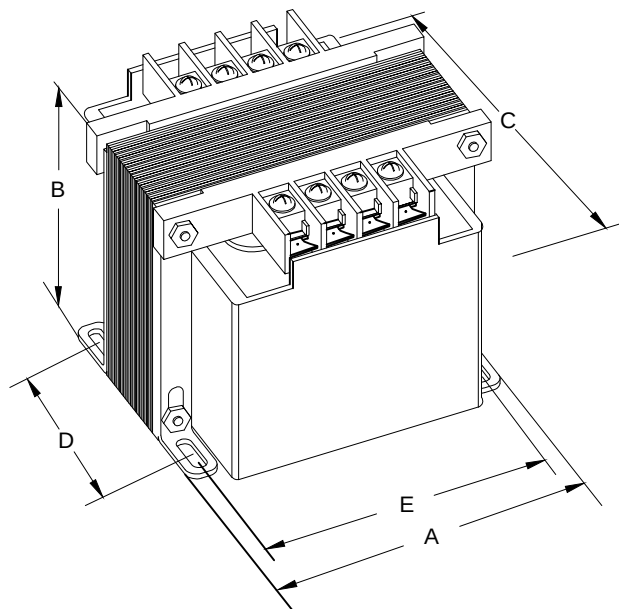
MODEL	MTS50T
Type	Open
VA	50
Primary (Volts)	600
Secondary (Volts)	12
Input /Output Amps	0.08 / 4.17
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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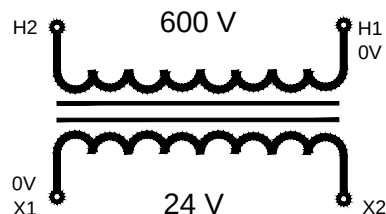
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

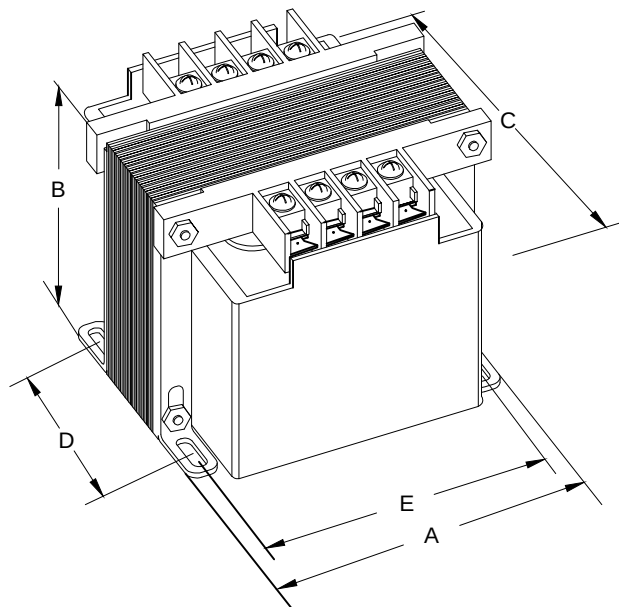
MODEL	MTS50U
Type	Open
VA	50
Primary (Volts)	600
Secondary (Volts)	24
Input /Output Amps	0.08 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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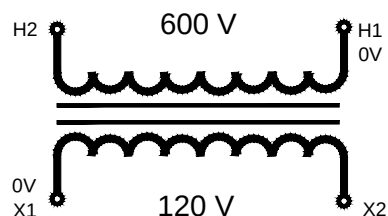
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

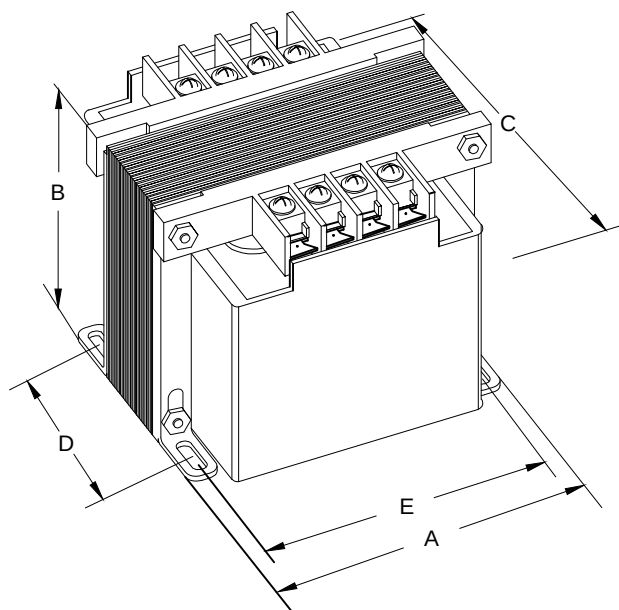
MODEL	MTS50V
Type	Open
VA	50
Primary (Volts)	600
Secondary (Volts)	120
Input /Output Amps	0.08 / 0.42
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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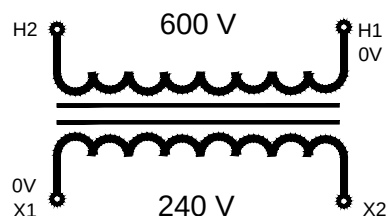
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

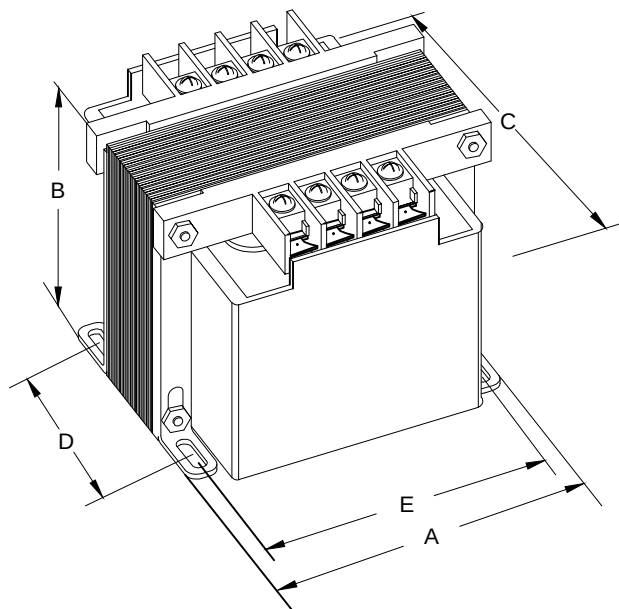
MODEL	MTS50W
Type	Open
VA	50
Primary (Volts)	600
Secondary (Volts)	240
Input /Output Amps	0.08 / 0.21
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



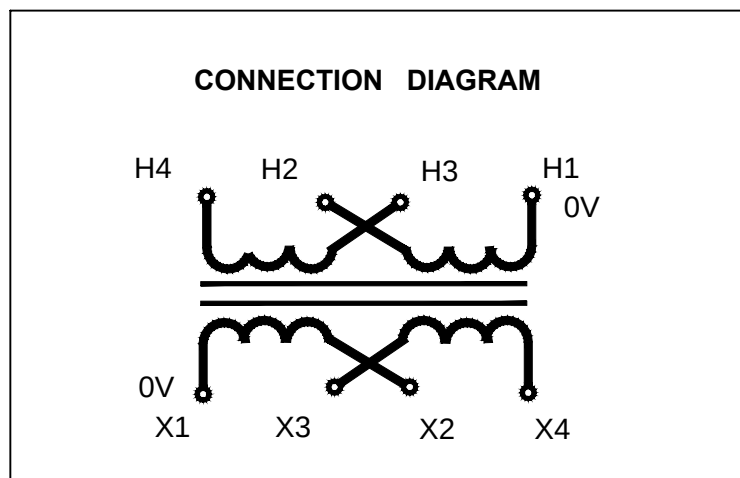
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TECHNICAL DATA

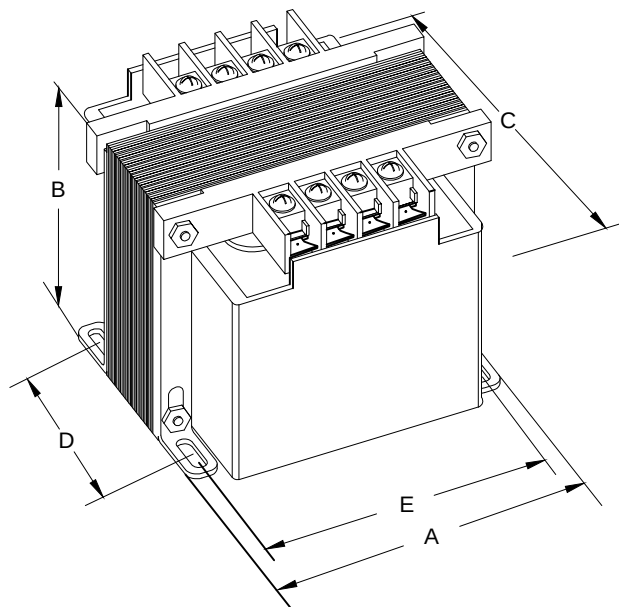
SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION	
MODEL	MTS50X
Type	Open
VA	50
Primary (Volts)	120 / 240
Secondary (Volts)	16 / 32
Input /Output Amps	0.42 , 0.21 / 3.13 , 1.56
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	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
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes:



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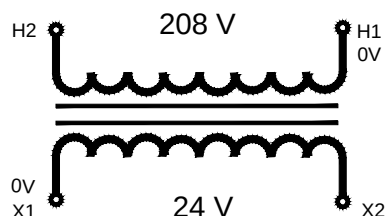
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

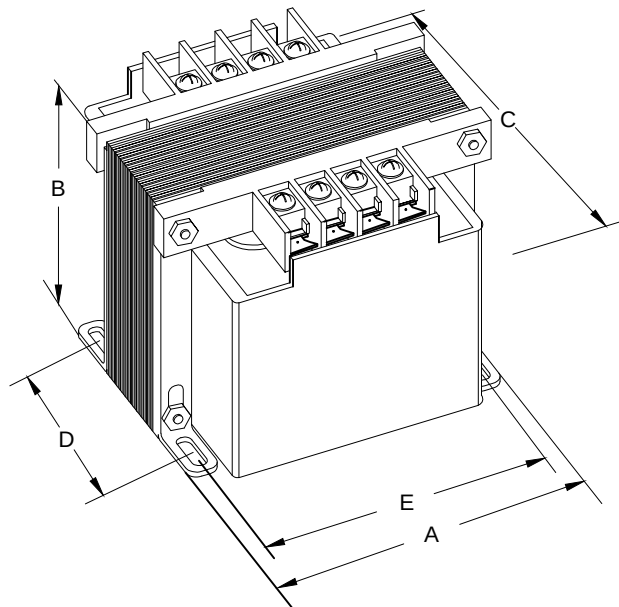
MODEL	MTS50Y
Type	Open
VA	50
Primary (Volts)	208
Secondary (Volts)	24
Input /Output Amps	0.24 / 2.08
Temperature Rise	80°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	CE compliant UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

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



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	MOUNTING HOLES INCHES / MM	SHIP WEIGHT LBS / KG
50	3.00 76.2	2.65 67.3	4.25 108.0	2.25 57.2	2.50 63.5	0.21 x 0.625 5.3 x 15.9	2.25 1.0

Notes: