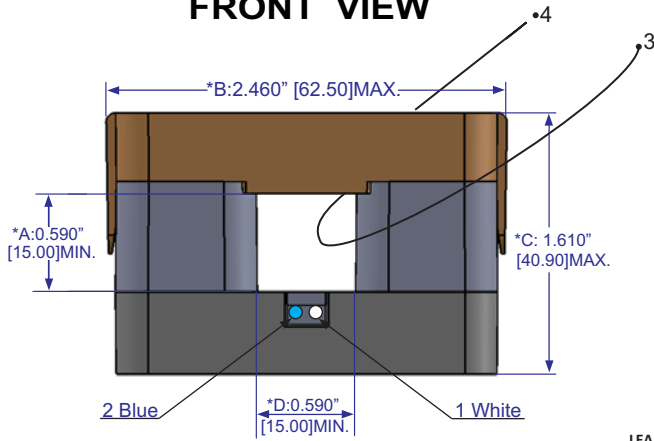


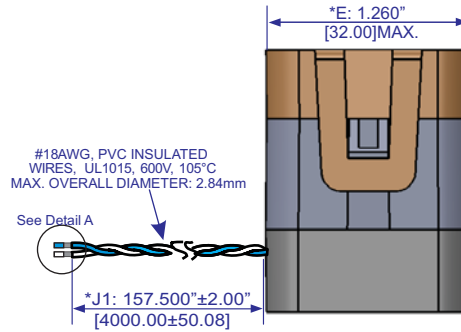
**MECHANICAL & ELECT. PARAMETERS**

FALCO Reserves the option to change: 1. Any wire color, 2. Any core (painted toroid) color & 3. Any bobbin/case color unless otherwise specified.

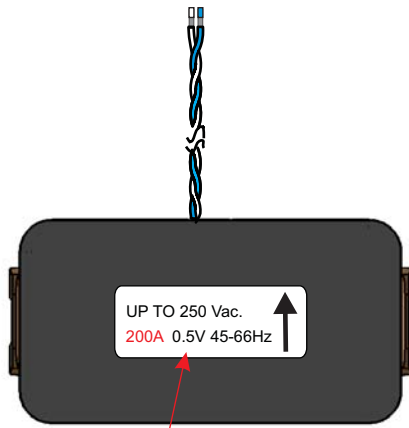
**FRONT VIEW**



**SIDE VIEW**

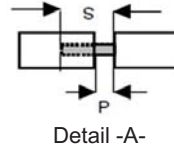


**BOTTOM VIEW**

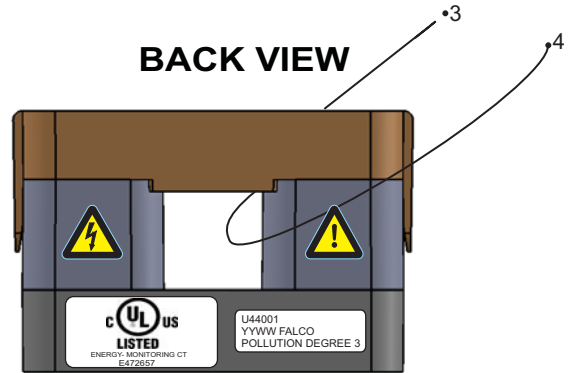


The sheet 6 show the details of label information

**LEAD WIRE STRIPPING**  
 S = 0.25"-0/+0.078" (6.35mm -0/+2mm)  
 P = 0.10" (2.54mm Ref.)



**BACK VIEW**

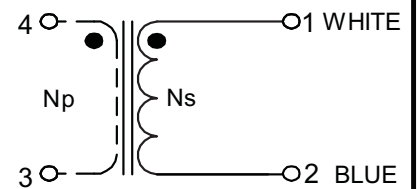


\*CRITICAL DIMENSIONS IN INCHES[mm]

**ELECTRICAL PARAMETERS (@ 25°C)**

ID	PARAMETER	SPECIFIC.	
		MAX.	MIN.
1.	INDUCTANCE (1-2): 40 H Nom @ 50Hz, 0.25V, 0ADC	54	27
2.	DCR (1-2) : 106 Ω Nom.	117	---
3.	Iout (1-2): 40mA ±0.20% @100 Amp, 50Hz.	40.08	39.92
4.	HI POT (From Primary to Secondary): 7400Vac @60Hz, 1Sec.	2mA	---
5.	PHASE	PER SCHEMATIC	

**SCHEMATIC**



**NOTES:**

- ROHS COMPLIANT PRODUCT:  
As per DIRECTIVE 2011/65/EC of the EU with the following levels:  
Cadmium (Cd) < 100ppm & Lead (Pb), Mercury (Hg), Chromium VI (Cr VI), Poly-brominated Biphenyls (PBBs) and Poly-brominated Diphenyl Ethers (PBDEs) < 1000ppm
- Rb RESISTOR: 5Ω Max. to meet 0.8% accuracy. ( NOT BUILT IN ).
- POLLUTION DEGREE: 3
- SERVICE ENTRANCE RATED
- CONSTRUCTION ACCORDING TO UL2808

DESC: **CURRENT SENSOR CLASS 0.8%**    ECN #:    PEAK VOLTAGE FROM PIN 1 TO PIN 2 : 0.5 Volt    NW:0.22kg NOM.

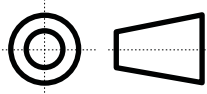
		FPN: <b>U44001 REV: B</b> DATE: <b>06-Mar-17</b> CPN: <b>422-00145-02</b> REV: <b>02</b>
		ROHS LEVEL: <u>  1  </u> PB FREE: <u>  e2  </u> UL EIS: <u>  R/C@E472657 (XOBA)  </u>
		CREEPAGE & CLEARANCE PRI. to SEC: <u>  18.8mm/9.4mm+1Lay/3Layers  </u>

REPRODUCTION IN WHOLE OR IN PART IS NOT PERMITTED WITHOUT FALCO ELECTRONICS MEXICO'S EXPLICIT CONSENT    ORIGINATOR:   JanetZ      APPROVED BY   JavierD      SHEET   1

# MATERIAL LIST

FALCO Reserves the option to change: 1. Any wire color, 2. Any core (painted toroid) color & 3. Any bobbin/case color unless otherwise specified.

DESCRIPTION	MANUFACTURER	UL FILE	TYPE	RATING	CCN
Main Housing, Upper cover, Lower Cover	E I Dupont De Neumours & CO Inc	E41938	FR50 (+) (f1)	Rated 130°C	QMFZ2/8
Upper Housing	Sabic Innovative Plastics B V	E45329	241R (f2)	Rated 115°C	QMFZ2/8
Plastic Spring	Sabic Innovative Plastics B V	E45329	241R (f2)	Rated 115°C	QMFZ2/8
Core	Various	-----	Various	-----	-----
Bobbin	E I Dupont De Neumours & CO Inc	E41938	FR50 (+) (f1)	Rated 130°C	OANZ2
Insulation Tape	3M Company Electrical Markets DIV (EMD)	E17385	56	Rated min. 130°C	OANZ2
	Various	Various	Various	Rated min. 130°C	OANZ2
Secondary Winding	Various	Various	Various	Rated min. 130°C	OBMW2 UL Recognition covers Canada
Lead Wire	Various	Various	Style 1015	18 AWG, rated 600V, VW-1, 105°C, min 0.76mm average thickness insulation and min. 1.5 m lead length.	AVLV2/8



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# ANNEX A – RELIABILITY AND ENVIRONMENTAL REQUIREMENTS

## RELIABILITY TEST METHODS

	PENDING TO BE PERFORMED	PERFORMED	NOT NEEDED OR NOT REQUIRED.
THERMAL SHOCK, according to MIL-STD-202G METHOD 107G	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> - 40 to +85°C, <input type="checkbox"/> - 40 to +125°C, <input type="checkbox"/> - 40 to 150°C, <input type="checkbox"/> - 40 to +200°C.			
<input type="checkbox"/> 5, <input type="checkbox"/> 25, <input type="checkbox"/> 50 or <input type="checkbox"/> 100 cycles. Heating and cooling time according to specimen weight.			
Temp. Range : _____ No. Cycles _____ (IN CASE OF SOMETHING DIFFERENT IS NEEDED FROM THE ABOVE MENTIONED)			
HUMIDITY according to MIL-STD-202G METHOD 103B	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 96 Hours, <input type="checkbox"/> 240 Hours, <input type="checkbox"/> 504 Hours, <input type="checkbox"/> 1,344 Hours.			
VIBRATION according to MIL-STD-202G METHOD 201A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SOLDERABILITY according to MIL-STD-202F METHOD 208E	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MOISTURE/REFLOW SENSITIVITY CLASSIFICATION FOR NONHERMETIC SOLID STATE SMD, ACC. TO IPC/JEDEC J-STD-020D.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SALT SPRAY (CORROSION) according to MIL-STD-202G METHOD 101E	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 24 HOURS, <input type="checkbox"/> 48 HOURS, <input type="checkbox"/> 96 HOURS OR <input type="checkbox"/> 240 HOURS.			
ALT TEST	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
OTHERS, SPECIFY TEST SETUP CONDITION _____			

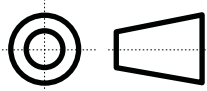
## ENVIRONMENTAL DIRECTIVES.

	NOT DEFINED	DEFINED
LOW HALOGEN (IEC 61249-2-21)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EC 1907/2006 REACH: ANNEX XVII & ANNEX XIV (SVHC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ROHS EU (Directive 2002/95/EC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
JIG101	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RARE EARTH ELEMENTS (REE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DODD-FRANK ACT SECTION 1502	<input checked="" type="checkbox"/>	<input type="checkbox"/>

OTHER, SPECIFY DIRECTIVE IF APPLY \_\_\_\_\_

## ALT TEST CONDITIONS (TO BE DEFINED BY CUSTOMER)

Low temperature of cycle \_\_\_\_\_ °C  
 Time in low Temperature \_\_\_\_\_ hours  
 Max. Temperature of cycle \_\_\_\_\_ °C  
 Time in high temperature \_\_\_\_\_ hours  
 Number of cycles \_\_\_\_\_  
 Transfer time between high and low temperature. \_\_\_\_\_ hours  
 Transfer time between low and high temperature. \_\_\_\_\_ hours



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## ANNEX B – ADDITIONAL ENGINEERING TEST REQUIREMENTS

MAXIMUM WORKING VOLTAGE: \_\_\_\_\_ / PIN 1 TO PIN 2

DC    
  PEAK    
  RMS    
  PEAK - PEAK

OPERATING TEMPERATURE RANGE: \_\_\_\_\_

STORAGE TEMPERATURE RANGE: \_\_\_\_\_

MAX. TEMPERATURE RISE AT WORKING CONDITIONS: \_\_\_\_\_

DEAR CUSTOMER, PLEASE PROVIDE THE DATA REQUIRED ABOVE TO COMPLETE THE DEFINITION OF THE PRODUCT.

### OTHER ELECTRICAL ENGINEERING REQUIREMENTS

INDUCTANCE @ MINIMUM TEMPERATURE.  \_\_\_\_\_

INDUCTANCE @ MAXIMUM TEMPERATURE.  \_\_\_\_\_

INSULATION RESISTANCE @ VOLTAGE  \_\_\_\_\_

50 VDC,  100 VDC,  200 VDC,  250 VDC or  500 VDC.

SURGE TEST @ VOLTAGE PEAK, PULSES  \_\_\_\_\_


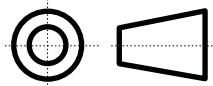
1.2/50  $\mu$ S wave form with one minute delay between surges.

SELF RESONANCE FREQUENCY  \_\_\_\_\_

OTHER, SPECIFY:

	NOT PERFORMED	PERFORMED
1.	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>
5.	<input type="checkbox"/>	<input type="checkbox"/>

DEAR CUSTOMER, PLEASE CHECKMARK ANY OF THE BOXES ABOVE IF YOU NEED THE PRODUCT TESTED WITH ANY OF THE TESTS HIGHLIGHTED AND PROVIDE THE DETAILED SPECIFICATION REQUIRED.

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# ANNEX C – SAFETY AGENCY REQUIREMENTS

## CREEPAGE AND CLEARANCE.

Creepage between Pri. To Sec.  
18.8 mm or 9.4 mm + 1 Layer(s) or 3 Layers.

Clearance between Pri. To Sec.  
18.8 mm or 9.4 mm + 1 Layer(s) or 3 Layers.

Creepage between Pri. To Core.  
9.4 mm or \_\_\_\_\_ mm + \_\_\_\_\_ Layer(s) or \_\_\_\_\_ Layers.

Clearance between Pri. To Core.  
9.4 mm or \_\_\_\_\_ mm + \_\_\_\_\_ Layer (s) or \_\_\_\_\_ Layers.

Creepage between Sec. To Core.  
9.4 mm or \_\_\_\_\_ mm + \_\_\_\_\_ Layer(s) or \_\_\_\_\_ Layers.

Clearance between Sec. To Core.  
9.4 mm or \_\_\_\_\_ mm + \_\_\_\_\_ Layer(s) or \_\_\_\_\_ Layers.

COMPLIANCE TEST:  
 AVAILABLE                      NOT AVAILABLE

### APPLICABLE INDUSTRY STANDARDS:


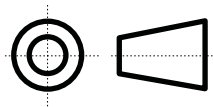
1. _____	<input type="checkbox"/>	<input type="checkbox"/>
2. _____	<input type="checkbox"/>	<input type="checkbox"/>
3. _____	<input type="checkbox"/>	<input type="checkbox"/>
4. _____	<input type="checkbox"/>	<input type="checkbox"/>

### UL/CSA/ETL RECOGNIZED magnetic component under category and File #:

1. R/C@E472657 (XOBA)
2. \_\_\_\_\_

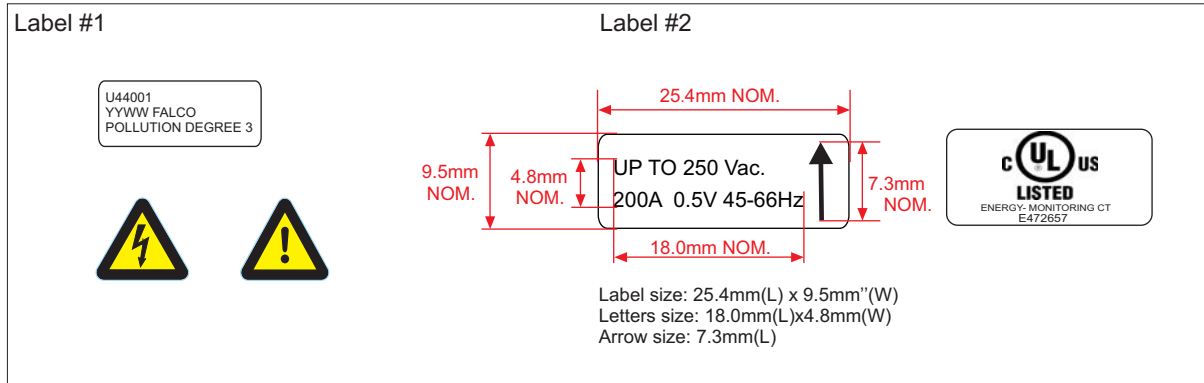
### Magnetic component in compliance with standard(s):

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

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		SHEET <u>5</u>	

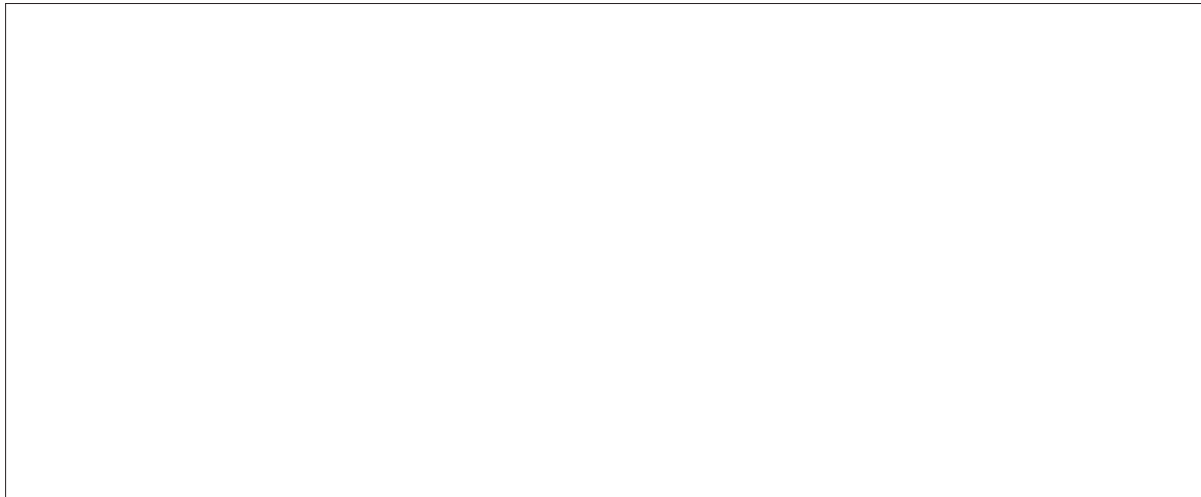
**ANNEX D – LABEL/MARKING & PACKING DETAILS.**

Label #1 Info. \_\_\_\_\_ Label #2 info. \_\_\_\_\_  
 Text Height: \_\_\_\_\_ mm Font Style \_\_\_\_\_ Text Height: \_\_\_\_\_ mm Font Style \_\_\_\_\_  
 Label #1 Size \_\_\_\_\_ Label #2 Size \_\_\_\_\_  
 Bar code: \_\_\_ YES, \_\_\_ NO, Bar code height \_\_\_\_\_ mm. Other code (specify): \_\_\_\_\_  
 Label #1 Material, Adhesive & Temp. \_\_\_\_\_  
 Label #2 Material, Adhesive & temp. \_\_\_\_\_  
 Durability Marking test: \_\_\_ YES, \_\_\_ NO, According to test method: \_\_\_\_\_  
 Label artwork:



**PACKING DETAILS:**

Qty by Box. \_\_\_\_\_  
 Reels/small boxes/trays by Box \_\_\_\_\_ Pieces per cell \_\_\_\_\_  
 Gross Weight per Box \_\_\_\_\_ Net Weight per Box \_\_\_\_\_  
 Packing drawing details and pin #1 orientation (for Tape and Reel Packing):



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		_____ _____