

PRODUCT INFORMATION PACKET



Model No: LM24719

Catalog No: LM24719

General Purpose Motor, 7.50 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 213T Frame, TEFC



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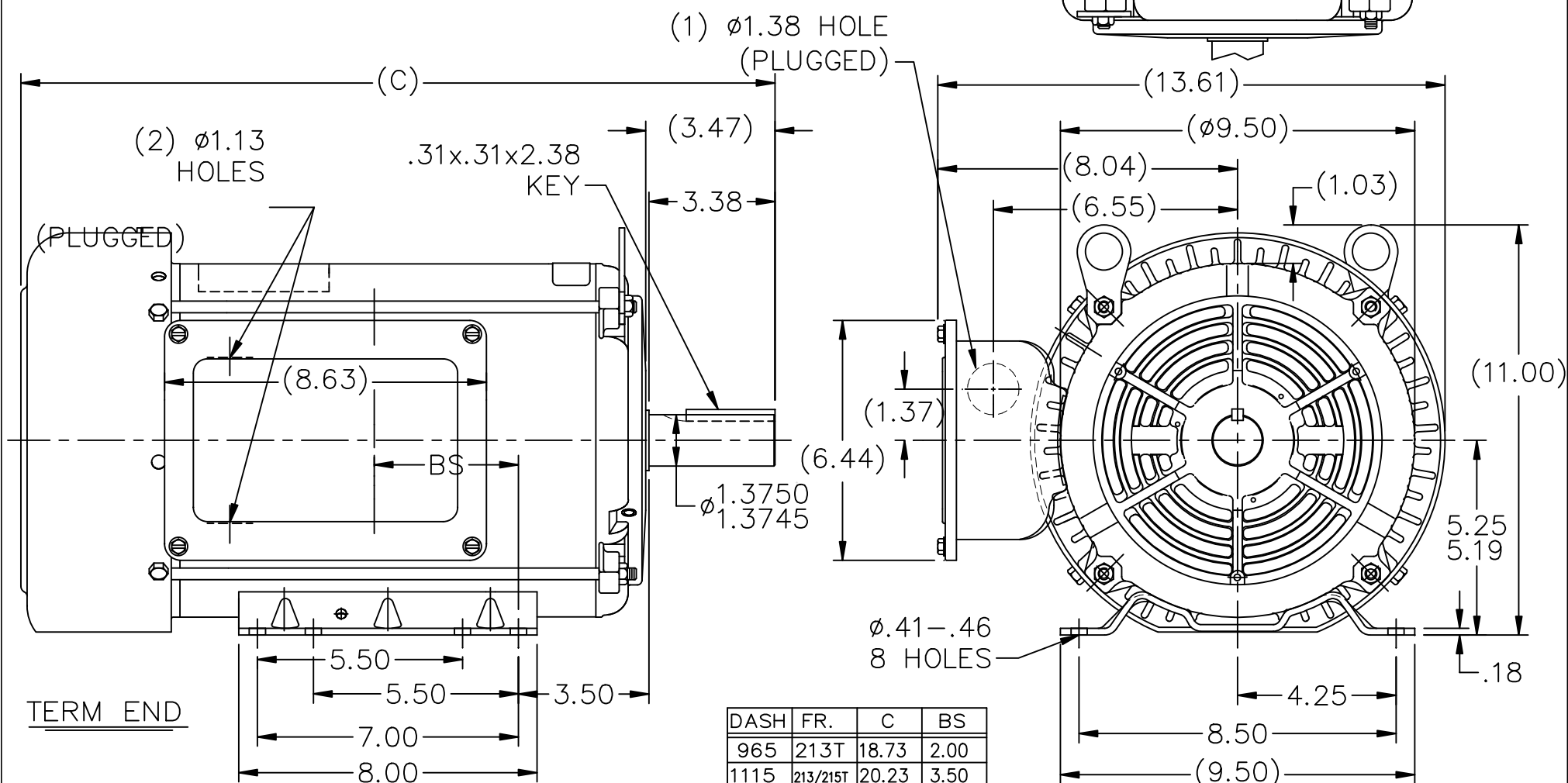


Nameplate Specifications

Phase	1	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	208-230 V
Speed	3465 rpm	Service Factor	1
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	36.0-32.0 A	Power Factor	93.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.73 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037646LN-965	Connection Drawing	A-EE9048MF-LN



NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

DASH	FR.	C	BS
965	213T	18.73	2.00
1115	213/215T	20.23	3.50
1240	215T	21.48	4.75

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X $\pm .1$

.XX $\pm .03$

.XXX $\pm .005$

.XXXX $\pm .0005$

CHK ANG $\pm 7'30''$



TITLE OUTLINE
210T FR. TEFC - STD 1 ϕ

MAT'L.

FINISH

DRAWN GRB 11/14/08

CHK SK 11/14/08

APPD

SCALE 1=4

REF SS86677

FMF

PREV

NO. REVISION BY & DATE

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RFP

DIST LB

CAD FILE 037646LN

SIZE

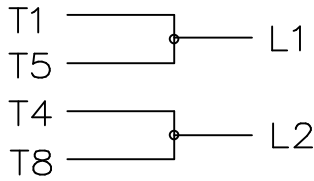
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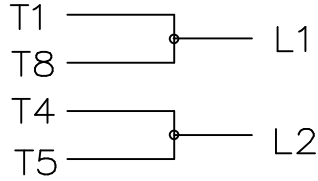
037646LN

REV.

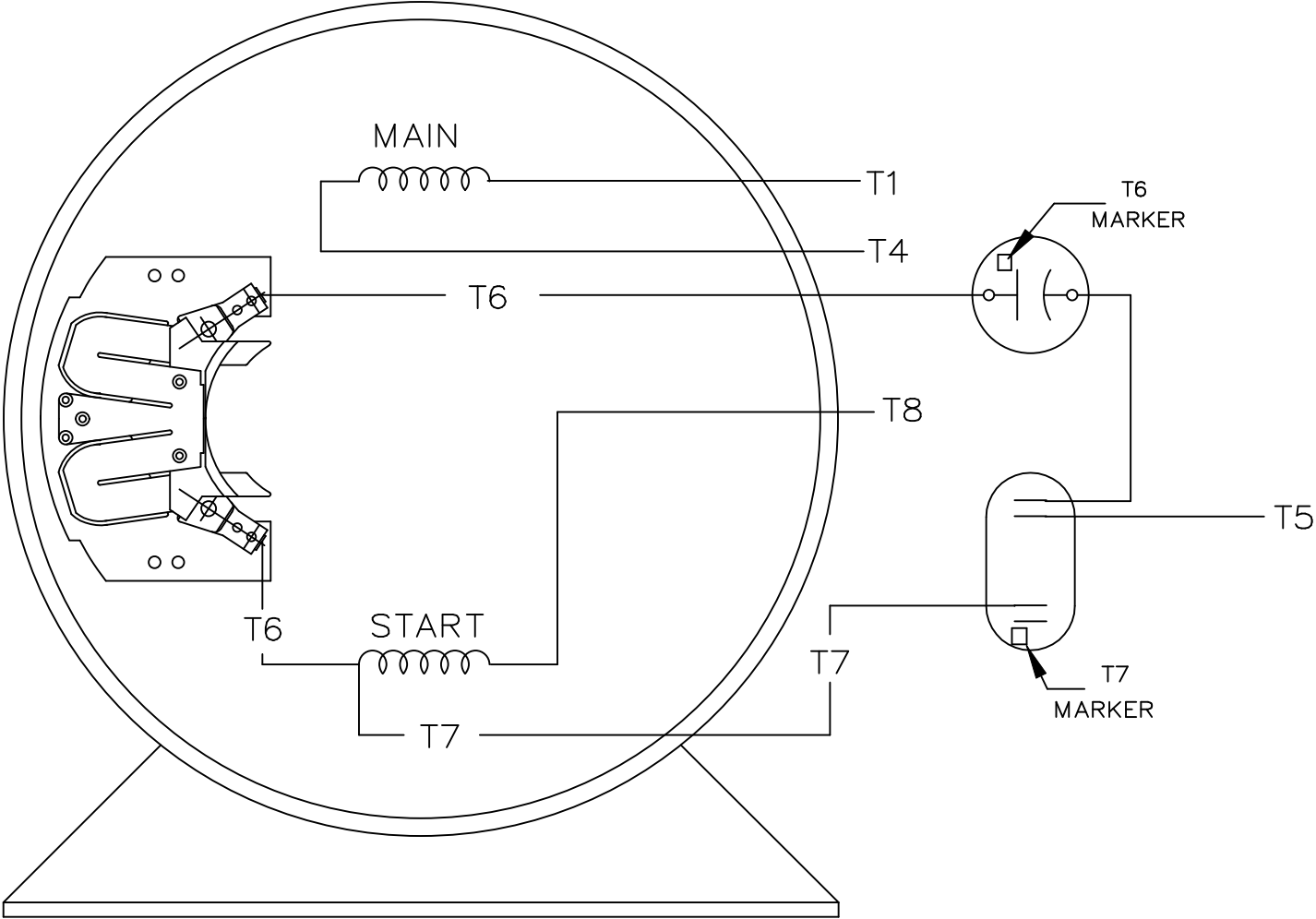
C.W. ROTATION



C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN JJB 03-18-2008						
				DEC.	INCHES		CHK	ML 03-18-2008					
				.X	±.1		APPD	EH 03-18-2008					
				.XX	±.02		TITLE CONNECTION DIAGRAM 180-210 SWITCH			SCALE	1=1		
				.XXX	±.005					REF			
				.XXXX	±.0005	MAT'L.				FMF			
NO.	REVISION		BY & DATE	CHK	ANG	±7'30"	FINISH			PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT				RFP		CAD FILE EE9048MF-LN			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST LB					A	EE9048MF-LN			

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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

-dictionary-
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/Pscript_WinNT_Compat
-dictionary-



**2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810**

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE9048MF-LN

OUTLINE: 037646LN-965

WINDING #: BK10269 1

CATALOG #: LM24719

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	3600	3465	213T	TEFC	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	36-32	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	80.9	1/2 LOAD EFF:	77.8	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	93.5	3/4 LOAD PF:	93	1/2 LOAD PF:	90.4	78.5		CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.3 LB-FT	189	18.7 LB-FT 165 %	25.3 LB-FT 224 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	0	98 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
307	206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

Model No LM24719Catalog No LM24719AB

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at

230

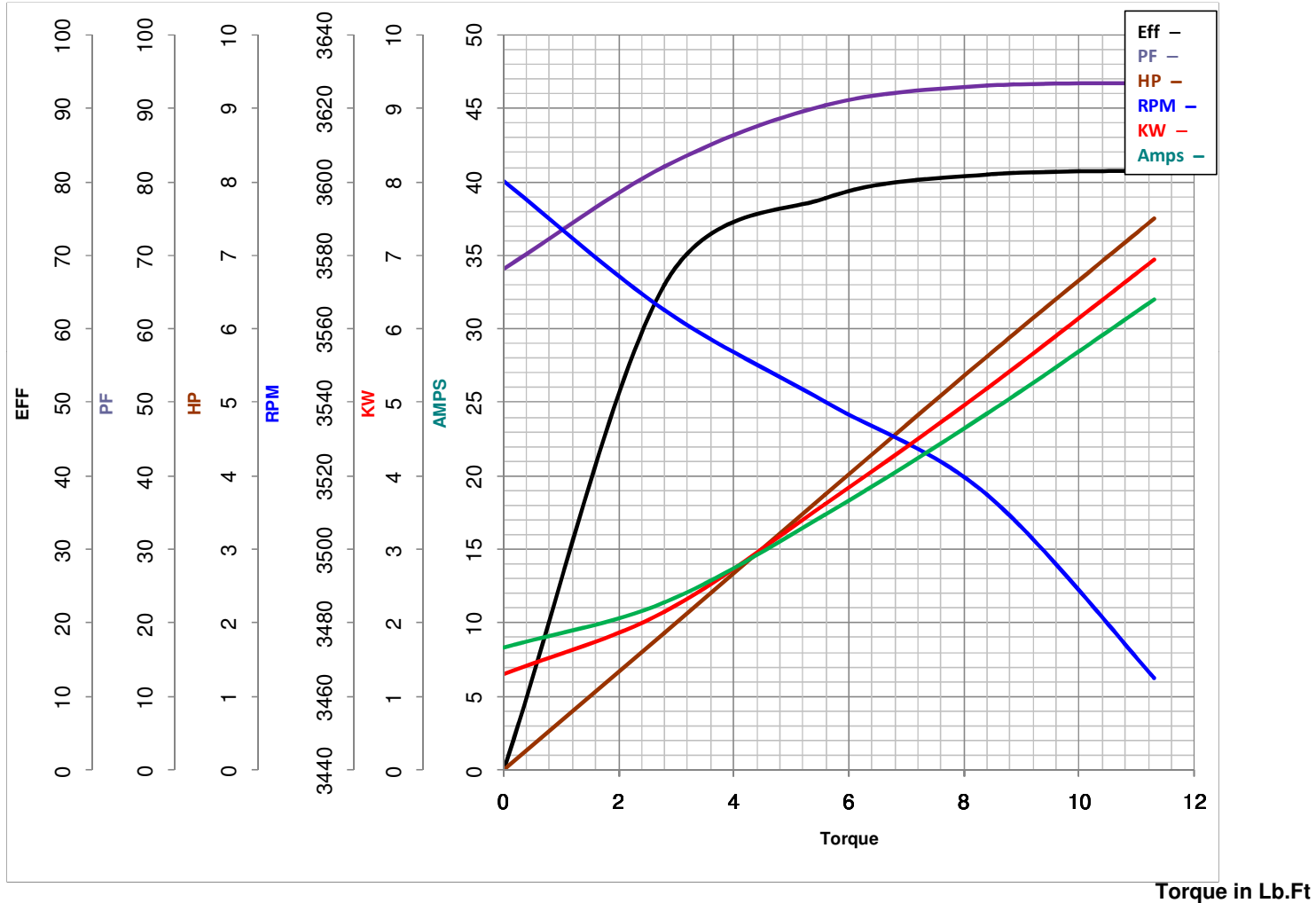
Volts

HP 7.50PHASE 160

HZ

7.5

HP

VOLTS 208-230HZ 60RPM 3465

FL TORQUE 11.3 Lb.Ft
 BD TORQUE 25.3 Lb.Ft
 LR TORQUE 18.7 Lb.Ft

FL AMPS 36-32
 PU TORQUE 22.5 Lb.Ft
 LR AMPS 189

WINDING BK10269-1

Date 3/26/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : LM24719

(Model No. may contain prefix and/or suffix characters)

Catalog No : LM24719

Rework No : N/A

Directives :

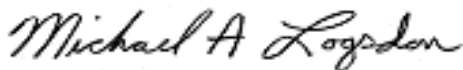
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22