

# PRODUCT INFORMATION PACKET



Model No: 191480.00

Catalog No: 191480.00

SST Duck™ General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56C Frame, TEFC



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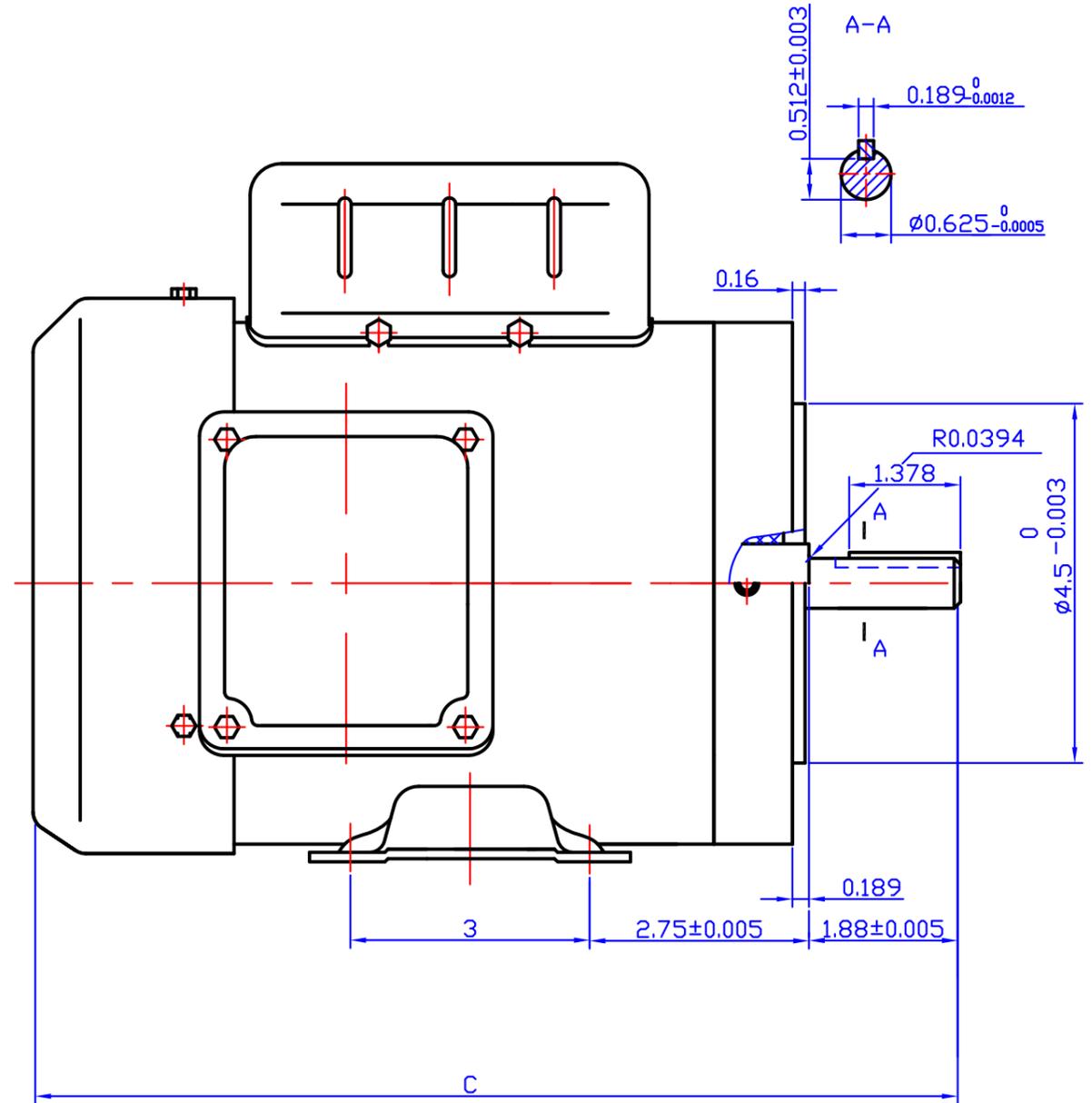
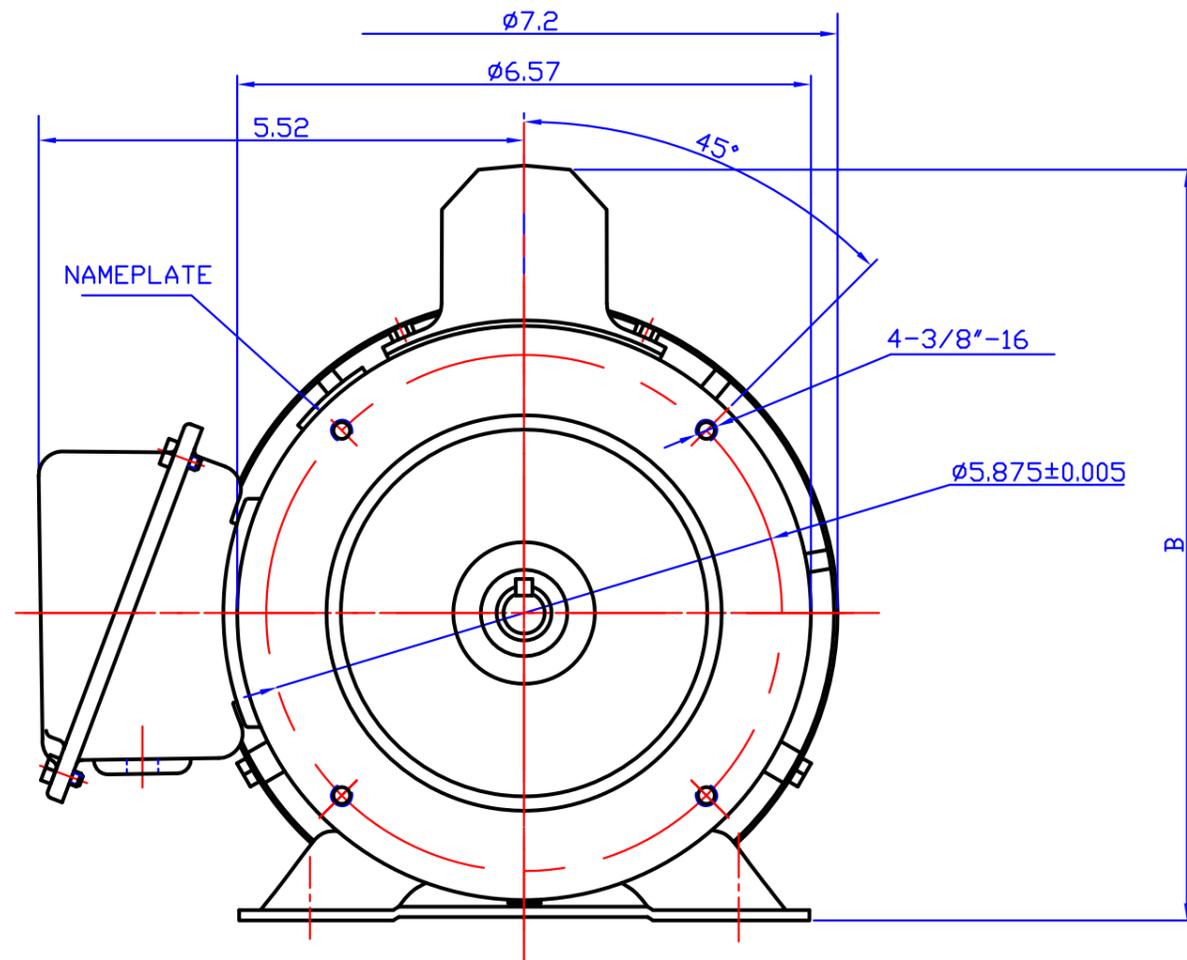
### Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	115/230 V
Current	16.4/8.5-8.2 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Efficiency	75.5 %	Power Factor	78.4
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	J
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

### Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	1.178 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	11.10 in
Frame Length	6.63 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005005.01	Outline Drawing	039078

REV	ECO	REV BY	DATE	APPD	DATE



CAT.NO	FRAME	PH	HP	Pole	RPM	Hz	Volt	thermal protector	C	B
191476.00	56C	1	3/4	2	3450	60	115/230	None	11.1	8.5
191478.00	56C	1	1	2	3450	60	115/230	None	11.8	8.9
191480.00	56C	1	1.5	2	3450	60	115/230	None	12.3	9.1

DR BY:

APPD:

FIRST ANGLE PROJECTION  EDS DATE  
VERSION

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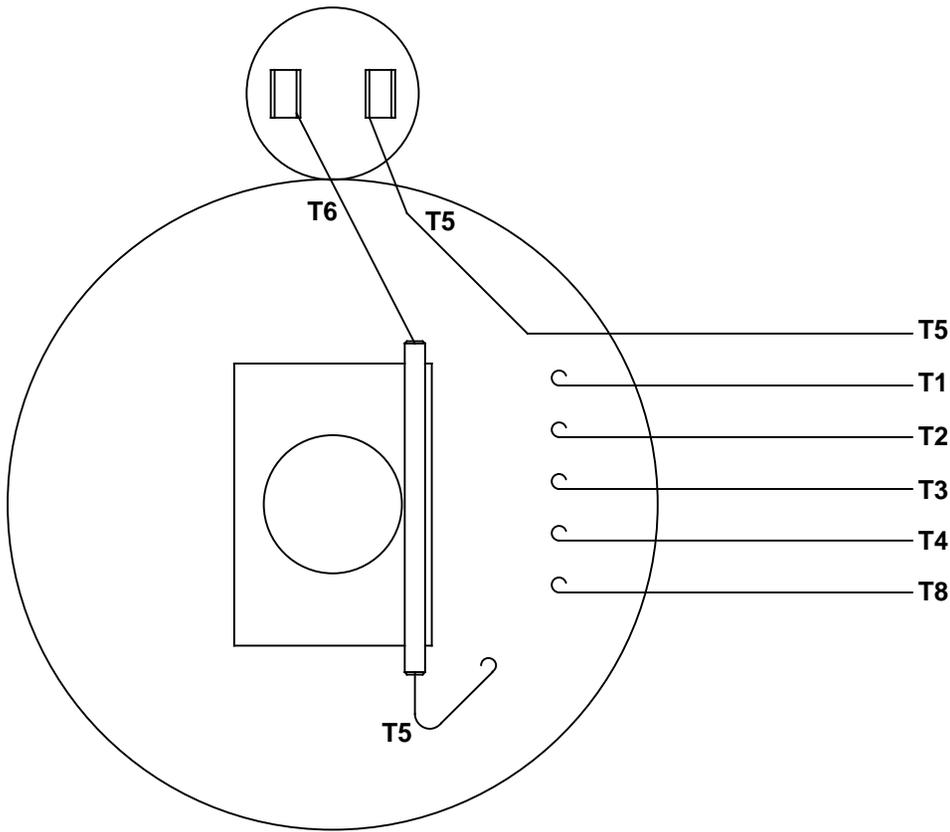


DESCRIPTION  
191476.00 191478.00 & 191480.00 OUTLINE

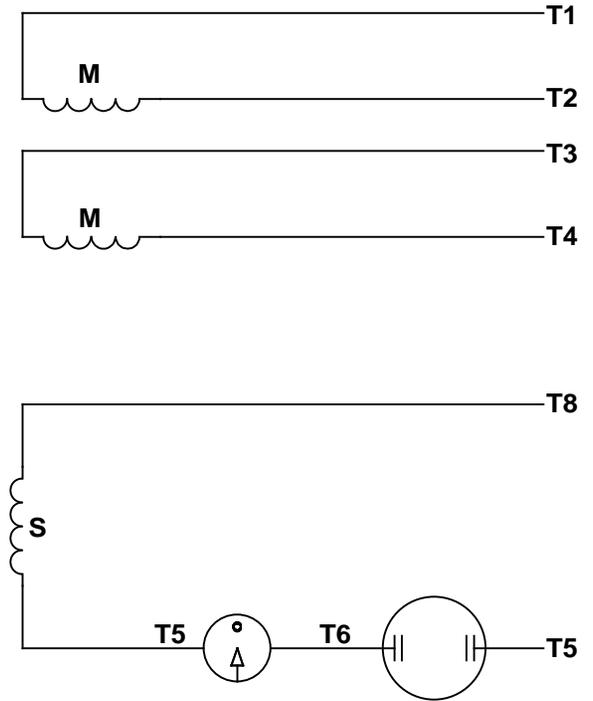
SIZE A3 DWG NO 039078

SCALE SHEET

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4, T5	T2, T3, T8
	C.W.	T1	T4, T8	T2, T3, T5
LOW VOLT	C.C.W.	T1, T3, T8	T2, T4, T5	-----
	C.W.	T1, T3, T5	T2, T4, T8	-----

--	REDRAWN IN SOLIDWORKS	VJB 02/16/11	TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN ADH 08/06/73	
27	UPDATED TO CURRENT STANDARDS	DBT 05/27/97	DEC	INCHES			CHK	
26	ADDED PAGE 32 (114787) & PAGE 33 (114788)	KAZ 12/20/95	PG	.X ±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR		APPR JCW 03/09/79	
25	ADDED PAGE 31	KAZ 04/19/95	DL	.XX ±.01			SCALE 1:1	
24	ADDED PAGES 29 & 30	KMM 03/30/95	DL	.XXX ±.005	MAT'L DECAL - 004012		REF FIG 2-23 C4A	
23	ADDED PAGE 28	KMM 01/27/95		.XXXX ±.0005			FMF MGI-2.4B	
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE OF		
THIRD ANGLE PROJECTION			RFP		PREV	SIZE	DRAWING NO	REV
			NETWORK FILE NAME 00500501			A	005005-01	--



**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005005.01

**CATALOG #:** 191480.00

**OUTLINE:** 039078

**MOUNTING:** F1 ONLY

**WINDING #:** QC63210 FR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	3600	3450	56C	TEFC	J	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	16.4/8.5-8.2	ACROSS THE LINE	CONTINUOUS	F5	1.15	40

FULL LOAD EFF:	75.5	3/4 LOAD EFF:	75.1	1/2 LOAD EFF:	70.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	78.4	3/4 LOAD PF:	71.3	1/2 LOAD PF:	60.3	72		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.25 LB-FT	104 / 52	6.48 LB-FT 288 %	5.33 LB-FT 237 %	101.5

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.058 LB-FT^2	0 LB-FT^2	10 SEC.	0	41 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	STAINLESS STEEL
6203	6203						

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

\*  
N  
O  
T  
E  
S

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE HZ



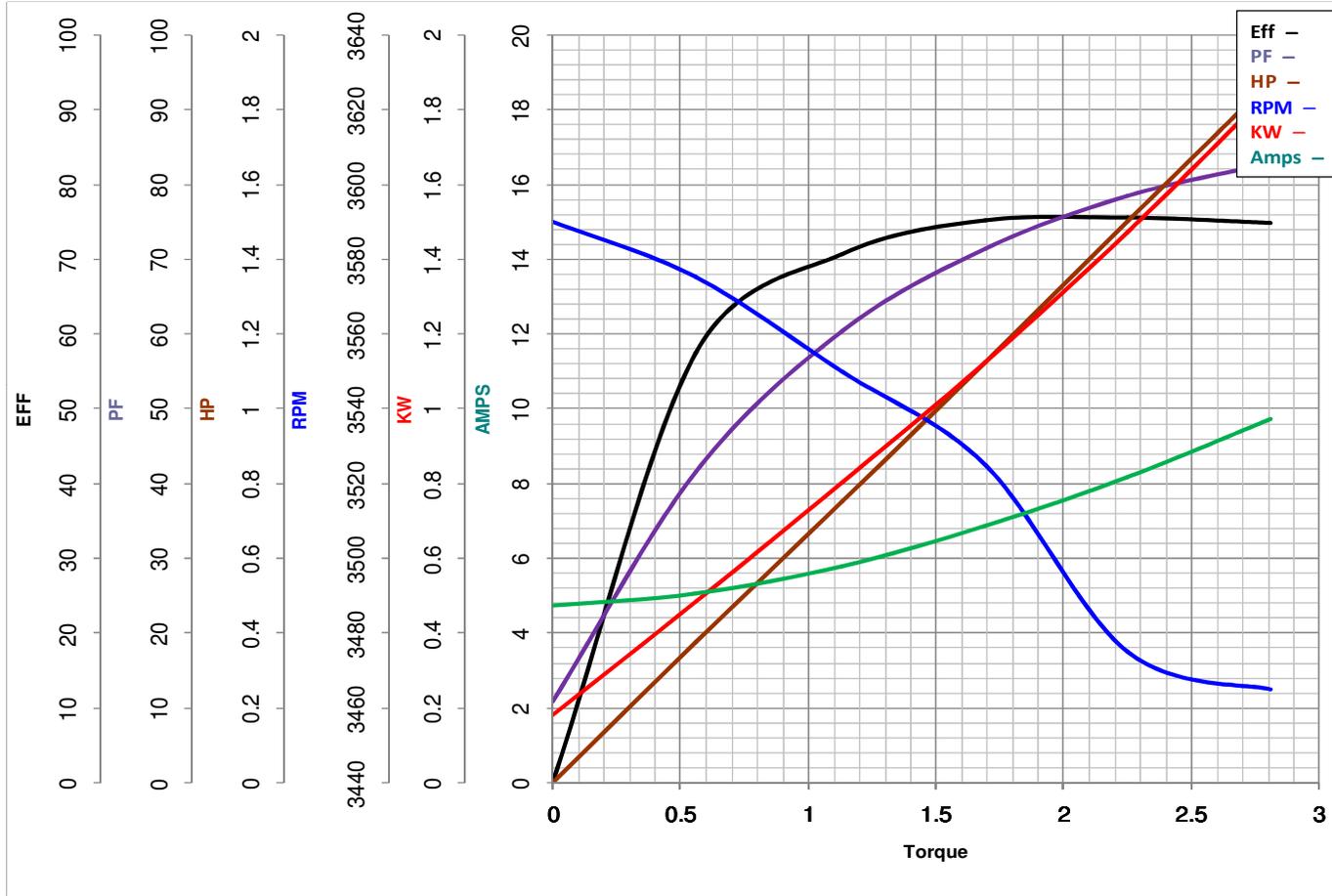
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 191480.00

Catalog No 191480.00

Curve at 230 Volts      HP 1.50      PHASE 1  
60 HZ  
1.5 HP      VOLTS 115/230

HZ 60      RPM 3450



Torque in Lb.Ft

FL TORQUE 2.25 Lb.Ft  
 BD TORQUE 5.3 Lb.Ft  
 LR TORQUE 6.48 Lb.Ft

FL AMPS 16.4/8.5-8.2  
 PU TORQUE 4.7 Lb.Ft  
 LR AMPS 52

WINDING QC63210-3

Date 3/12/2019

## 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 : 191480.00

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

Catalog No : 191480.00

Rework No : N/A

Directives :

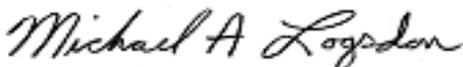
Low Voltage Directive 2014/35/EU

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**