

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TSTDBD6003

Catalog No: GT0283

Globetrotter® General Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,
3600 & 3000 RPM, 364TSC Frame, DP



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RegalRexnord

Nameplate Specifications

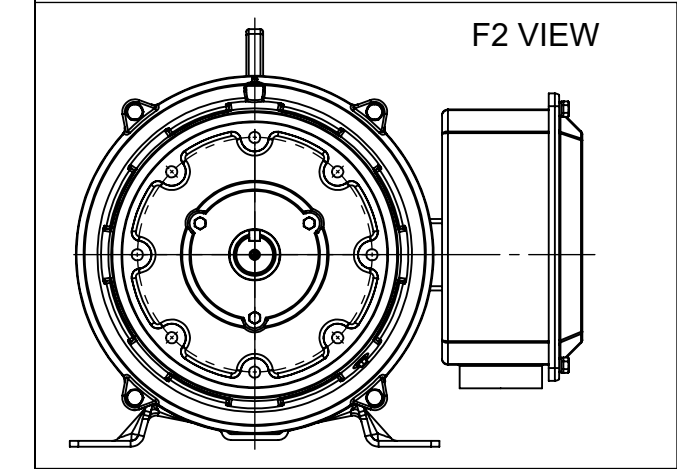
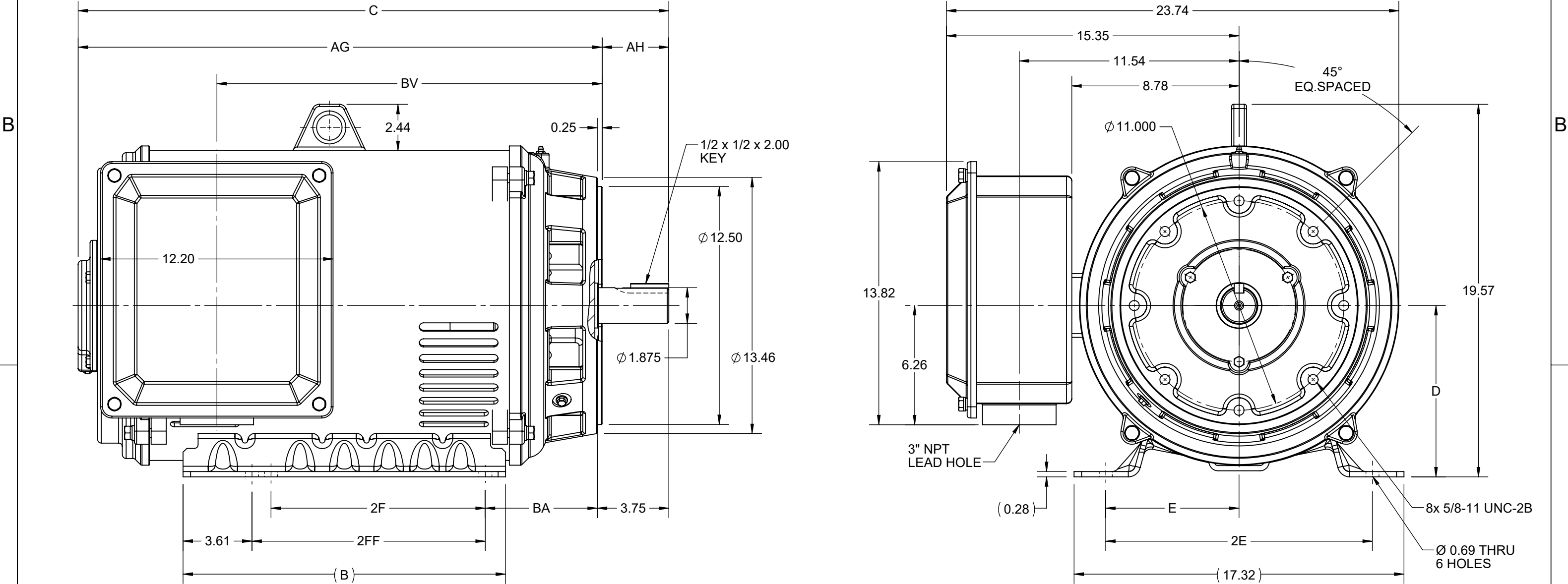
Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	208-230/460 & 190/380 V
Speed	3565 & 2968 rpm	Service Factor	1.15 & 1.15
Frame	364TSC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93.6 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	192-172/86 & 166/83 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.1034 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Shaft Diameter	1.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7308AA	Outline Drawing	SS620749-100

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4					3					2				1	
DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME		
100	16.93	29.44	9.00	7.00	14.00	11.25	12.25	25.94	3.50	5.88	18.65	F1 OR F2	364TSC		
200		31.01						27.51			20.23		365TSC		



DRAWING REVISION C	REVISION BY GOPI J	REV DATE/© DATE 01/02/2022
REQUEST NUMBER CR-0006669	APPROVED BY SBD	DATE 01/02/2022
REQUEST NUMBER DESCRIPTION VIEWS UPDATED AS PER 3D		
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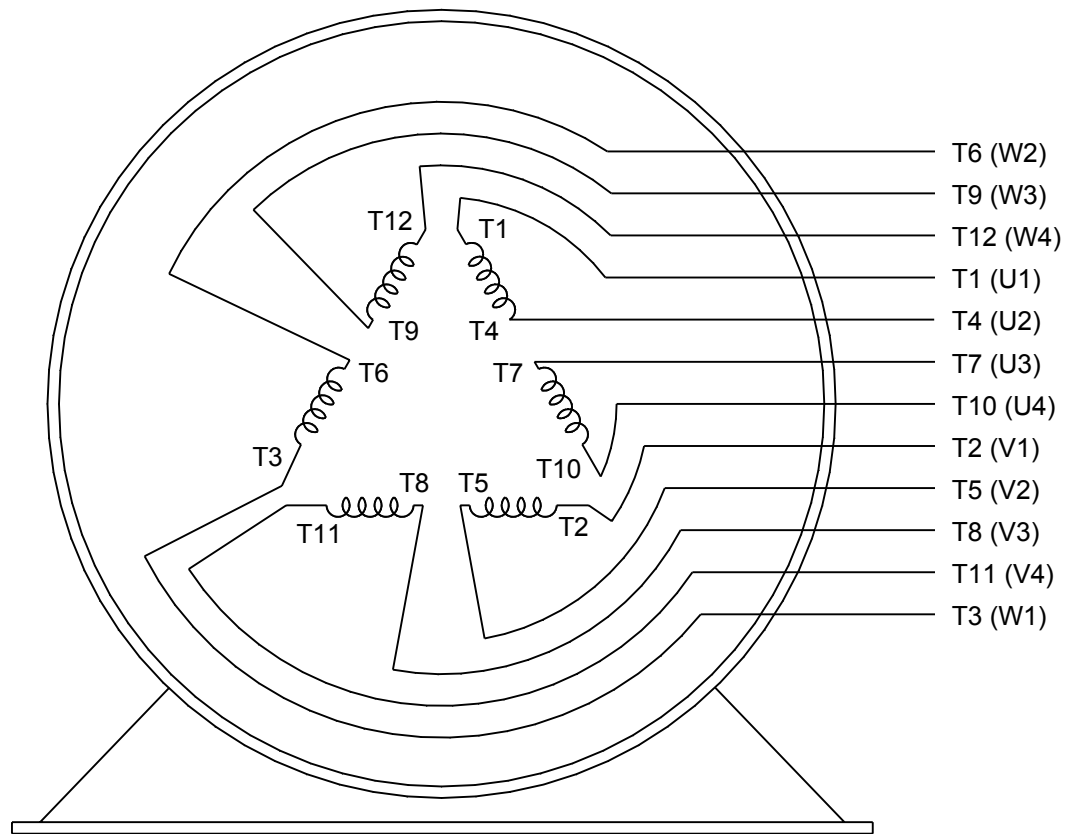
DRAWN BY ZHU XIAOWEI	 Regal Beloit America, Inc.	
DATE 18/10/2016		
APPROVED BY	DESCRIPTION OUTLINE 364/365TSC FR NEMA ODP RS	
DATE		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS620749
		SHEET 1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: EE7308AA
OUTLINE: SS620749
WINDING: HA32252007 NONE 2
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 364TSTDBD6003
CAT #: GT0283
CUSTOMER PART #: _____
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
75	56	3600	3565	364TSC	DP	TDB	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	192-172/86&166/83	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	3/4 LD EFF	1/2 LD EFF	GTD EFF	ELECT. TYPE
93.6	93.6	93.3	93.0	SQ CAGE INV RATED
F.L. PF	3/4 LD PF	1/2 LD PF		
87.0	85.0	78.8		

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
110 LB-FT	500	160 LB-FT 145%	265 LB-FT 241%	30

SOUND PRESSURE @ 3 FT.	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.	MOTOR WGT
75 dBA	84 dBA		8.1 LB-FT²	- LB-FT²	18 SEC.	2	706 LB.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6312 6312						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.06	0.029	0.34	0.384	10.417	0.150	ODE

* N O T E S *	
	INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE PPR
	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE UL: V - LI,ME-INS,CONST UL REC

PREPARED BY:	DATE:	
	3/9/2021	0

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/24/2020
 Customer: _____
 Attention: _____
 Submitted by: _____

marathon
Motors

364TSTDBD6003

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.7	33.0	47.8	66.0	86.2	99.3	108	500	
Torque (ft-lb)	0.00	27.5	55.0	82.5	110	127	138	160	
RPM	3600	3592	3585	3575	3565	3560	3555	0	
Efficiency (%)		89.5	93.3	93.6	93.6	93.6	93.0		
P.F. (%)	7.0	59.5	78.8	85.0	87.0	87.5	87.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	1800	3435	3565	3600					
Current (Amps)	500	400	265	86.2	25.7					
Torque (ft-lb)	160	135	259	110	0.00					

— Efficiency (%)

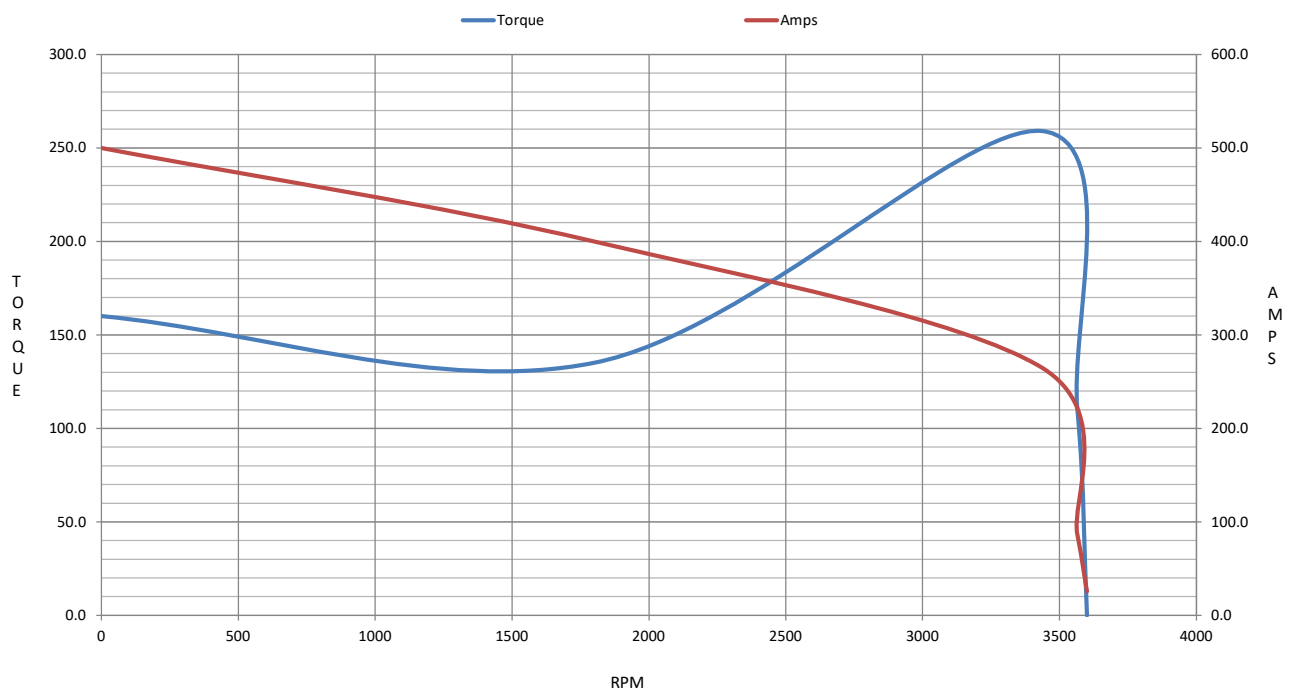
— P.F. (%)

— Current (Amps)

Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)
25	90	60	25.7
40	92	75	35
60	94	83	50
80	94	87	70
100	94	88	86.2
125	93	87	110

HP	75.0			
Sync. RPM	3600			
Frame	364			
Enclosure	DP			
Construction	TDB			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	30	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	3,300	feet		
Rotor/Shaft wk²	8.0	Lb-Ft²		
Ref Wdg	HA32252007	NONE		
Sound Pressure @ 1M	75	dBA		
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620749			
Conn. Diag	EE7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0600	0.0290	0.3400	0.3840	10.4170

Speed -Torque Curve



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 : 364TSTDBD6003

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

Catalog No : GT0283

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