

PRODUCT INFORMATION PACKET

Model No: 056T11F5309

Catalog No: G588

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 1200 RPM, 56C Frame, TEFC



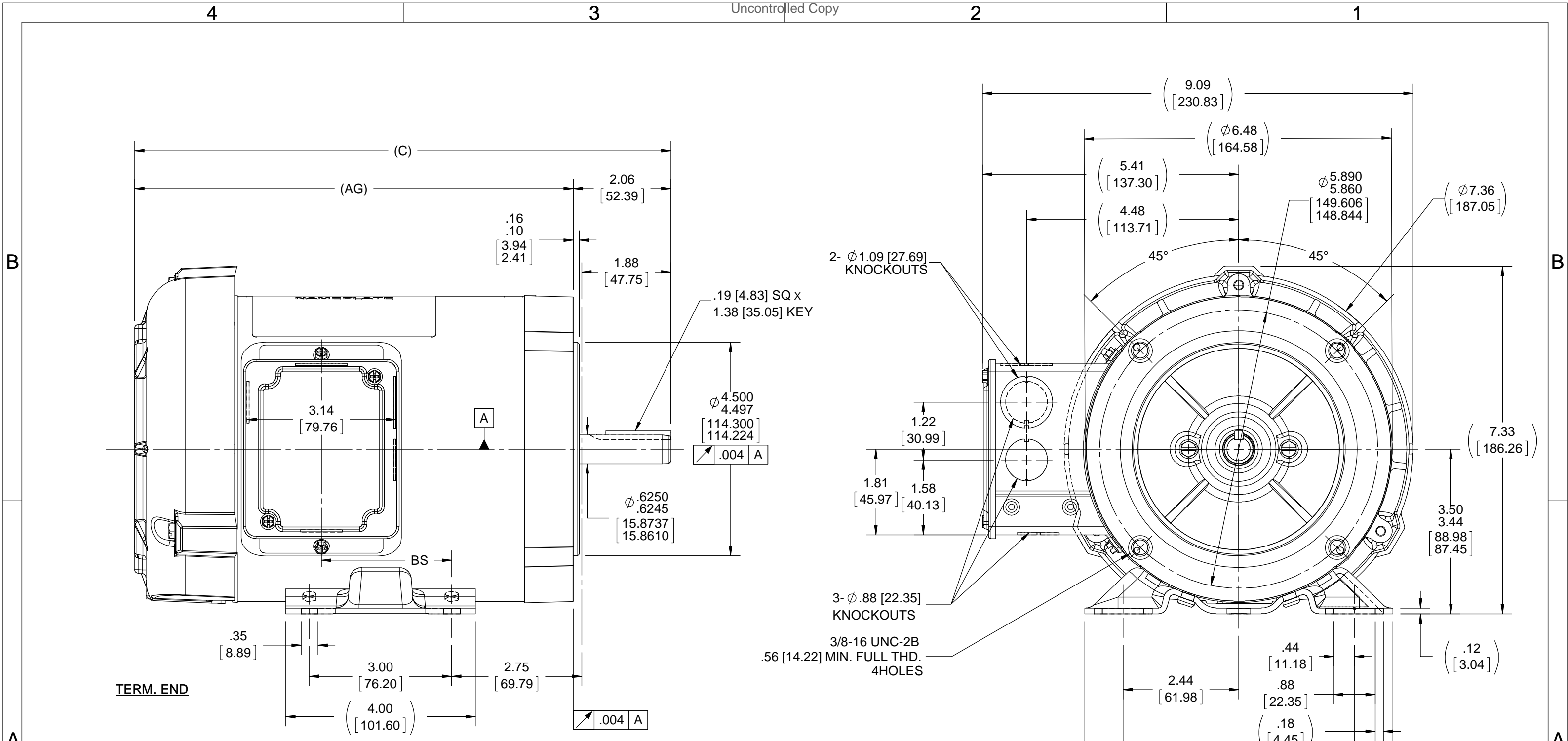
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Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.4-2.7/1.4 A	Speed	1140 rpm
Service Factor	1.15	Phase	3
Efficiency	68 %	Power Factor	52.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
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	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	9.2 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	11.81 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100141-656	Connection Drawing	A-EE7308



NOTE :-
 1. CONDUIT BOX CAN BE ROTATED 180° STEP.
 2. REMOVABLE BASE.
 3. NAMEPLATE READ FROM CONDUIT BOX SIDE.

DASH	C	AG	BS
606	11.31[287.27]	9.25 [234.95]	2.75 [69.85]
656	11.81[299.97]	9.75 [247.65]	3.25 [82.55]
706	12.31[312.67]	10.25 [260.35]	3.75 [95.25]
756	12.81[325.37]	10.75 [273.05]	4.25 [107.95]
806	13.31[338.07]	11.25 [285.75]	4.75 [120.65]
856	13.81[350.77]	11.75 [298.45]	5.25 [133.35]

DRAWING REVISION M	REVISION BY M. CHATLAPALLI	DATE 01/10/2019	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30" .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]	DRAWN BY BLR	Regal Beloit America, Inc.	
ECO ECO-0159684	APPROVED BY S. MACHARLA	DATE 01/10/2019		DATE 05-27-1997		
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			THIRD ANGLE PROJECTION	MATERIAL	DRAWING NUMBER 100141	SHEET 1 OF 1

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

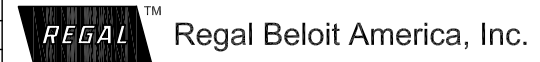
REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.		REVISION		BY & DATE		CHK		ANG		FINISH		PREV	
5	CHG TO REGAL LOGO	SL	09/10/2015	AB									
4	REVISED IEC NOTATIONS	MSG	11/15/2011	CMN	.X	±.1							
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG	5/10/2010	MJS	.XX	±.02							
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH	04/24/2003	DRS	.XXX	±.005							
1	REDRAWN	RM	11/20/1990		.XXXX	±.0005							
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		DIST	WP	A	EE7308							5	



TITLE CONNECTION DIAGRAM
3Ø - DUAL VOLTAGE MOTOR

DRAWN	RM	11/20/1990
CHK	ML	11/21/1990
APPD	SAS	04/24/2003
SCALE	1=1	
REF		
FMF		
PREV		

CERTIFICATION DATA SHEET

Model#: 56T11F5309 J
CONN. DIAGRAM: A-EE7308
OUTLINE: A-100141-656

WINDING#: ZT606 NONE 3
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	.37&0.25	1200	1140&950	56C	TEFC	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	2.4- 2.7/1.35&2.4/1 .2	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 68&65.5	3/4 LOAD EFF: 66.5	1/2 LOAD EFF: 58.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 52.3&53	3/4 LOAD PF: 44	1/2 LOAD PF: 34.5	64	SQ CAGE IND RUN	2.4 / 1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.3 LB-FT	12.4 / 6.2	7.2 LB-FT 313	9 LB-FT 391	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.05 LB-FT^2	20 LB-FT^2	15 SEC.	2	24 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL OR UP OR DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: PROVISIONS FOR KIT NONE
STEARNS P/N NONE
56,000 NONE
10 FT-LB NONE V NONE Hz

DATE: 06/28/2017 02:32:53 AM

FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 9/8/2017
 Customer: _____
 Attention: _____
 Submitted by: VINAYAK YERATE



56T11F5309

Submittal

Data @ 460 V

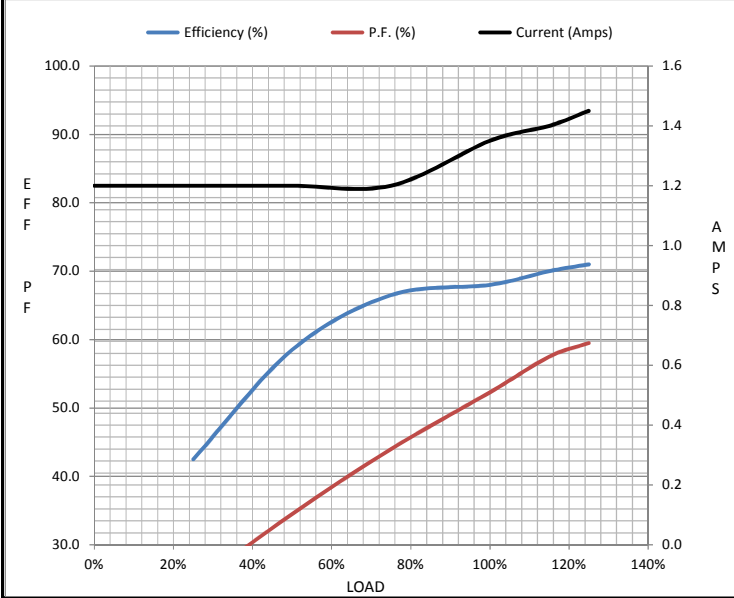
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.20	1.20	1.20	1.20	1.35	1.40	1.45	6.2
Torque (ft-lb)	0.00	0.56	1.10	1.70	2.30	2.70	3.0	7.2
RPM	1200	1190	1180	1160	1140	1,137	1135	0
Efficiency (%)		42.5	58.5	66.5	68.0	70.0	71.0	
P.F. (%)	13.5	24.0	34.5	44.0	52.3	57.5	59.5	0.0

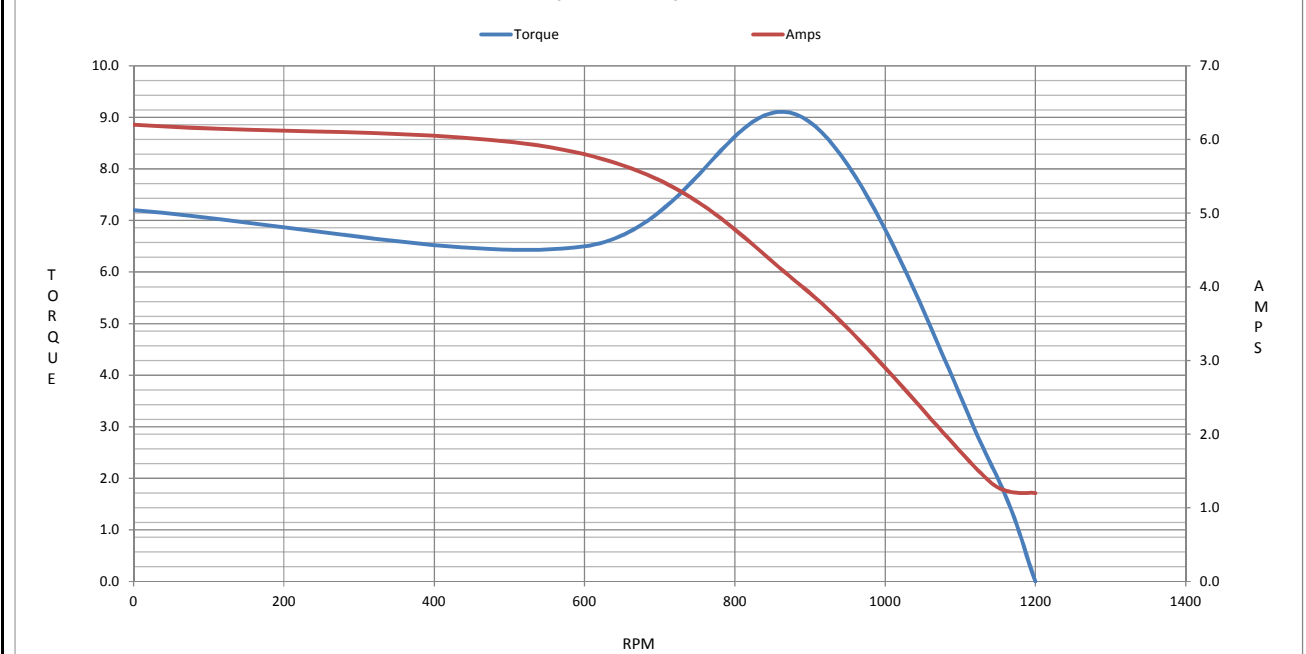
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	890	1140	1200
Current (Amps)	6.2	5.8	4.0	1.35	1.20
Torque (ft-lb)	7.2	6.5	9.0	2.30	0.00

Information Block				
HP	0.5			
Sync. RPM	1200			
Frame	56			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	60 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.05 Lb-Ft ²			
Ref Wdg	ZT606 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	A-100141-656			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
22.6800	11.3400	22.6800	22.6800	215.4600



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 : 056T11F5309

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

Catalog No : G588

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