

PRODUCT INFORMATION PACKET



Model No: 056C17D5340

Catalog No: S117

General Purpose Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, DP



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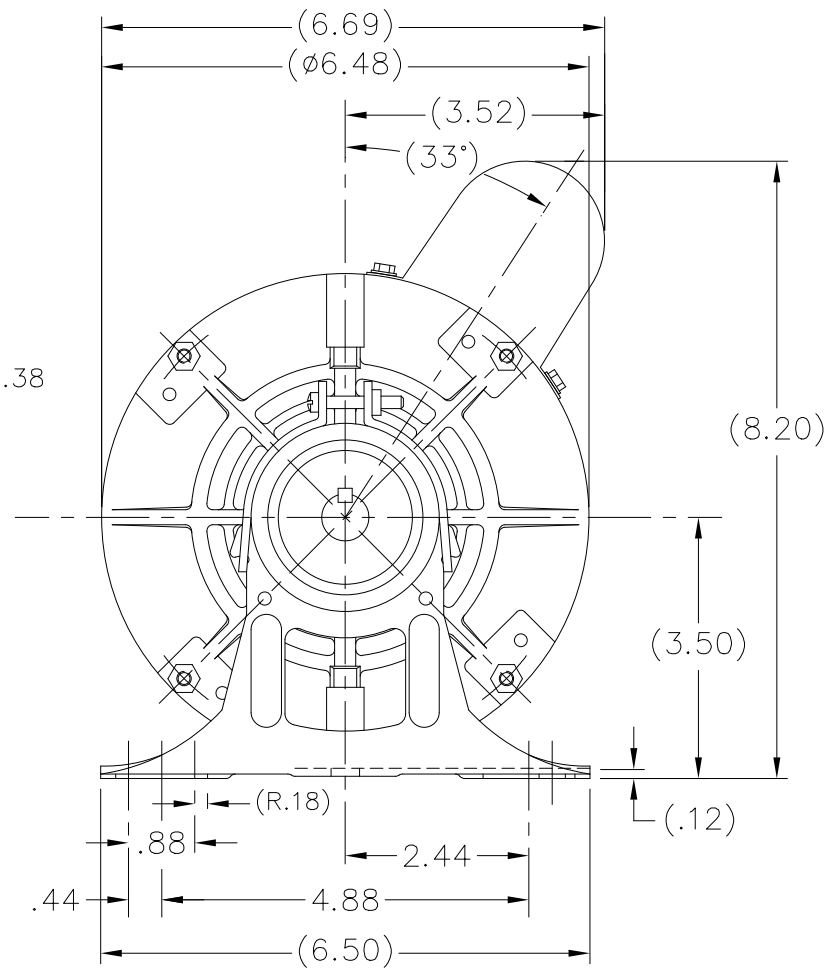
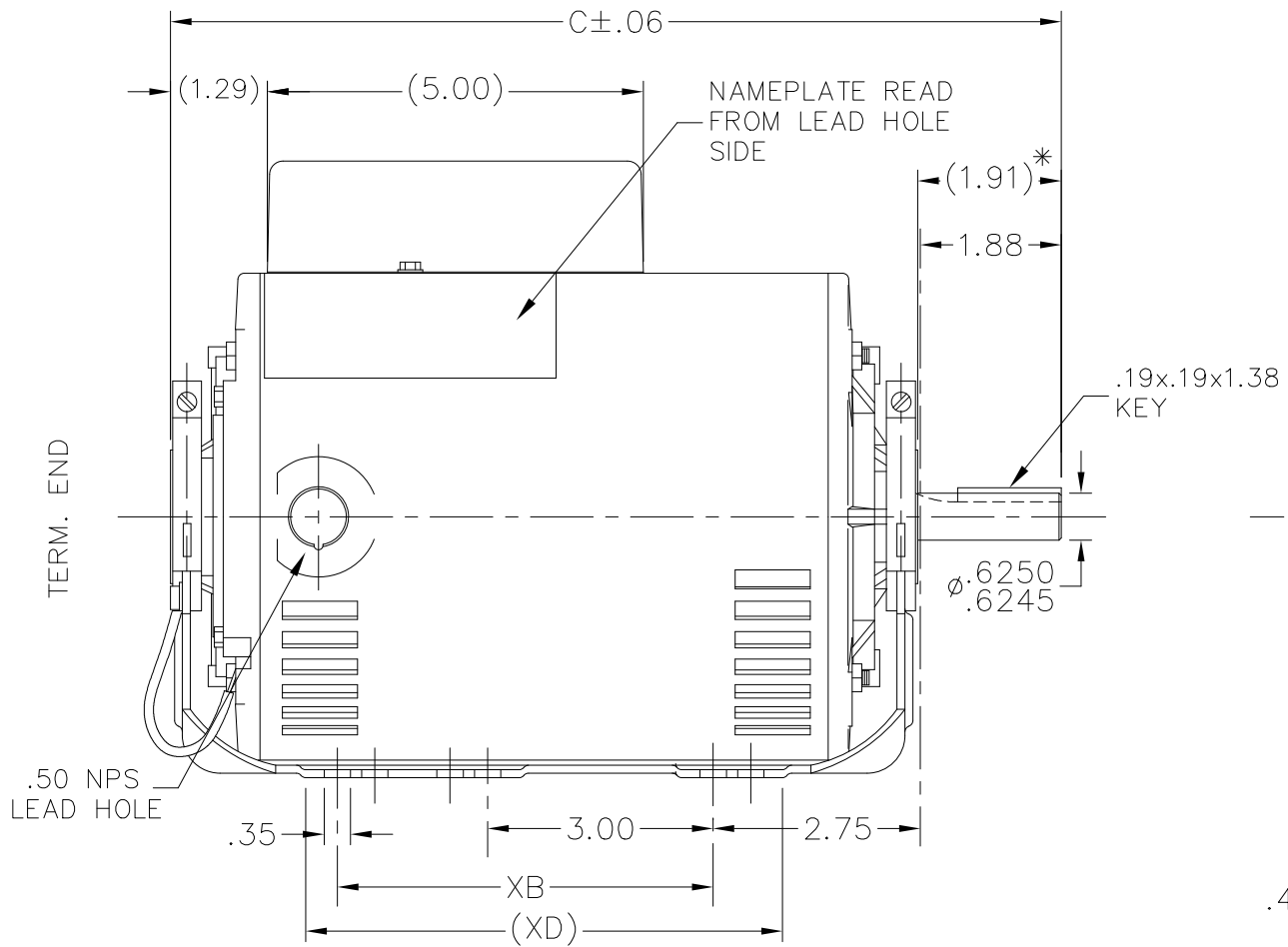
Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.0
Frame	56	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	70.0 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	13.6/6.8 A	Power Factor	63.4
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Mounting	Resilient Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	11.35 in	Frame Length	7.06 in
Shaft Diameter	0.625 in	Shaft Extension	1.91 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	102005-2	Outline Drawing	A-100121-706

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* DIMENSION IS FROM RESILIENT RING END CAP TO END OF SHAFT

- NOTES:
- 1. MOTOR MUST BE ROTATED TO PROVIDE SOCKET CLEARANCE FOR GROUND SCREW, MAXIMUM (20 DEGREES).

DASH	FRAME	C	XB	XD
656	56-	10.85	0	5.50
706	56-	11.35	0	6.00
756	"-	11.85	5.00	6.50
856	"-	12.85	5.00	6.50

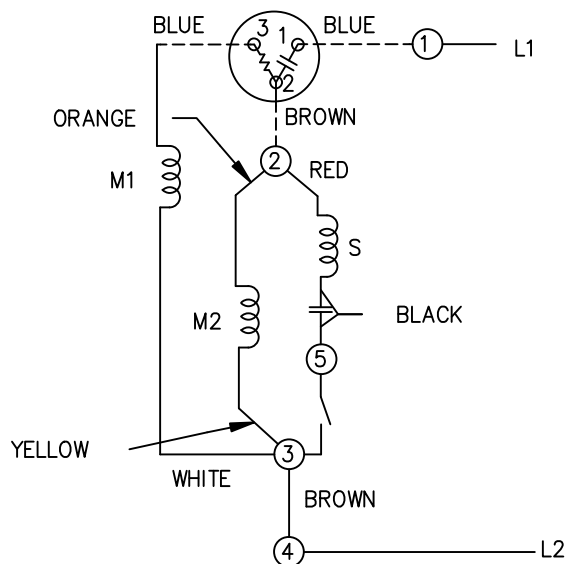
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"
10	CHG FROM MARATHON TO REGAL REXNORD LOGO	KVDG 05-10-2024	DS		
9	UPDATED NOTE FROM 10* TO 20* PER ECR-0224142	RAJ 2/28/23	NS	DEC.	INCHES
8	ADDED DASH 6 IN THE REFERENCE TABLE	SVL 12/14/2005	AT	.X	±.1
7	REDRAWN IN AUTOCAD	TAT 09-01-2004	ML	.XX	±.03
6	ADDED NOTE CN 24378	PGK 06-09-1997		.XXX	±.005
5	REDRAWN ON CADD	PGK 01-16-1997		.XXXX	±.0005

**Regal Beloit America, Inc.**

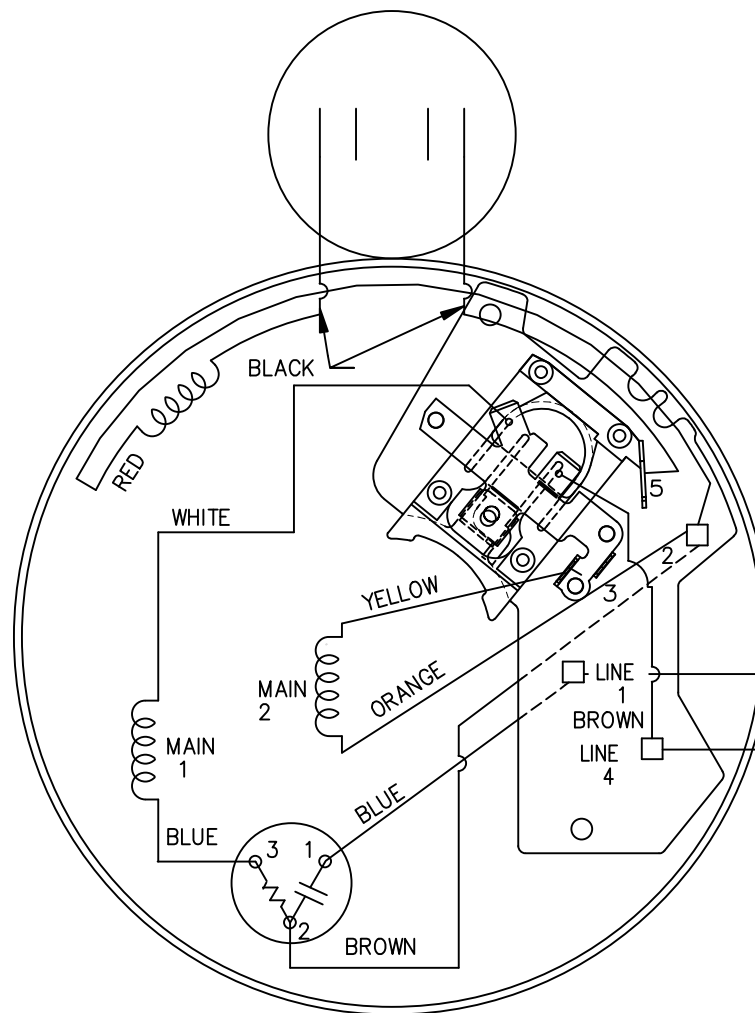
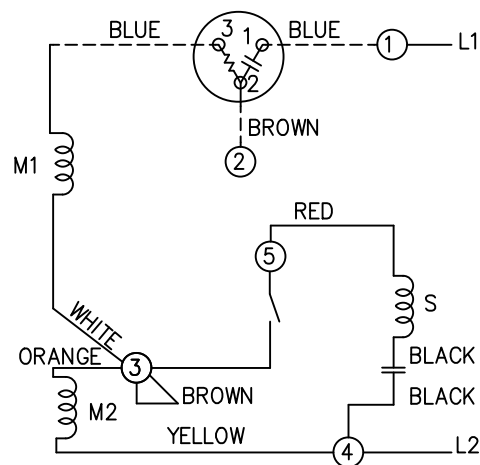
TITLE	OUTLINE
	56FR. - 1ø-BB-DR.PR.-RESIL. MT.
MAT'L.	
FINISH	

DRAWN	PGK 12-16-1996
CHK	ML 01-16-1997
APPD	GK 01-16-1997
SCALE	3=8
REF	
FMF	
PREV	

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HIGH VOLTAGE – C.C.W.



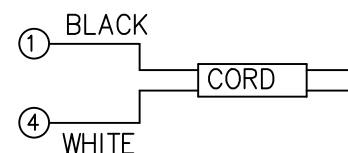
DUAL VOLTAGE CAPACITOR START
OVERLOAD SELECT ROT.

LOW VOLTAGE C.C.W. ROTATION
SHOWN. TO REVERSE INTERCHANGE
RED WITH BLACK LEAD ON
TERMS 2 AND 5.

FOR HIGH VOLTAGE C.C.W. ROT.
FIRST REMOVE BROWN JUMPER
FROM TERM. 4 AND ATTACH
TO TERM.3 AND CONNECT YELLOW
LEAD TO TERM.4 AND ORANGE
LEAD TO TERM. 3. CONNECT
RED LEAD TO TERM #5 AND
BLACK LEAD FROM TERM #5
TO TERM #4. TO REVERSE
INTERCHANGE RED WITH BLACK
LEAD ON TERMS 5 AND 4.

4A ———— L2

5A ———— L1

CONNECTION FOR
WIRING HARNESS

CONNECTION FOR CORD

			TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT <i>Motor Technologies Group</i>	DRAWN PGK 06-20-1996
NO.	REVISION	BY & DATE	CHK	ANG		
11	ADD NOTE ISAAC 10-3333	TF 9/27/2010	DEC.	INCHES	TITLE CONNECTION DIAGRAM	CHK MRB 07-18-1996
10	UPDATED WIRING HARNESS CONNECTIONS CN 32007	DRS 01-14-2003	ML	.X		APPD GK 07-18-1996
9	ADDED CONNECTION FOR WIRING HARNESS	KJC 12-17-2002	SAS	.XX		SCALE 5=8
8	RE-ISSUE FOR CLARITY	PGK 08-21-1996		.XXX		REF
7	REDRAWN ON CADD, NO CHANGES	PGK 07-18-1996		.XXXX		FMF
			RFP		CAD FILE 102005_2	PREV
			DIST			
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					PAGE	OF
					REV.	11

CERTIFICATION DATA SHEET

Model#: 56C17D5340 E
 CONN. DIAGRAM: 102005-2
 OUTLINE: A-100121-706

WINDING#: ZC410 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1725	56	DP	J	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	13.6/6.8	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 70.0	3/4 LOAD EFF: 72	1/2 LOAD EFF: 67	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 57	1/2 LOAD PF: 45	0	CAP START IND RUN	9.7 / 4.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	69 / 34.5	5.9 LB-FT 0	7.6 LB-FT 0	-

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

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6203	6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

*
N
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S
*

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

DATE: 06/21/2017 09:23:13 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.



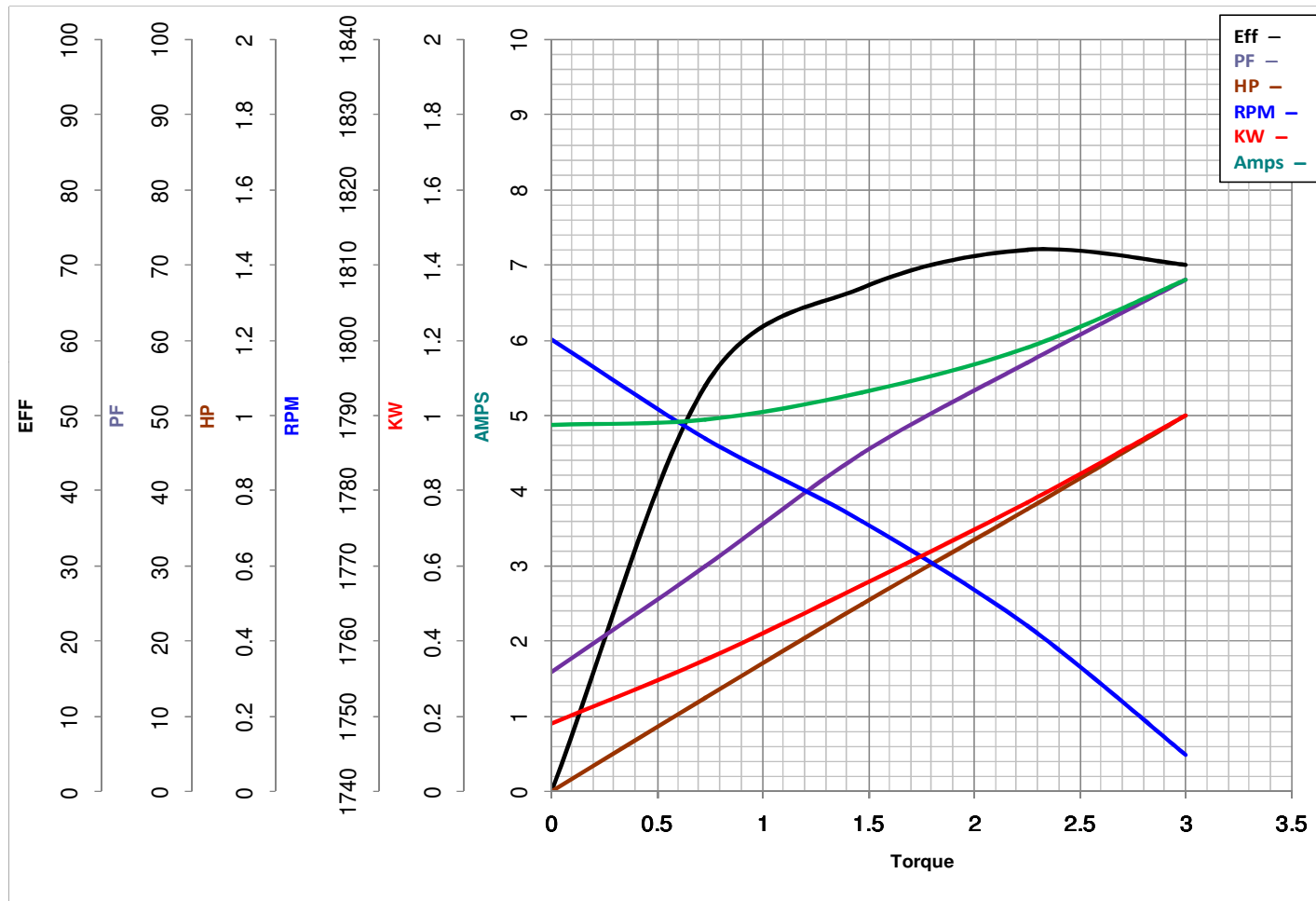
REGAL REXNORD CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230
60
1

Volts
HZ
HP
HP 1.00PHASE 1Model No 56C17D5340VOLTS 115/230Catalog No S117HZ 60RPM 1725

Torque in Lb.Ft

FL TORQUE 3 Lb.Ft
 BD TORQUE 7.6 Lb.Ft
 LR TORQUE 5.9 Lb.Ft

FL AMPS 13.6/6.8
 PU TORQUE 5.8 Lb.Ft
 LR AMPS 34.5

WINDING ZC410-3

Date 2/4/2019

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 056C17D5340

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

Catalog No : S117

Rework No : N/A

Directives :

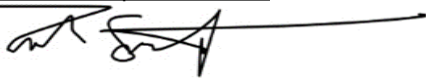
Low Voltage Directive 2014/35/EU

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:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25