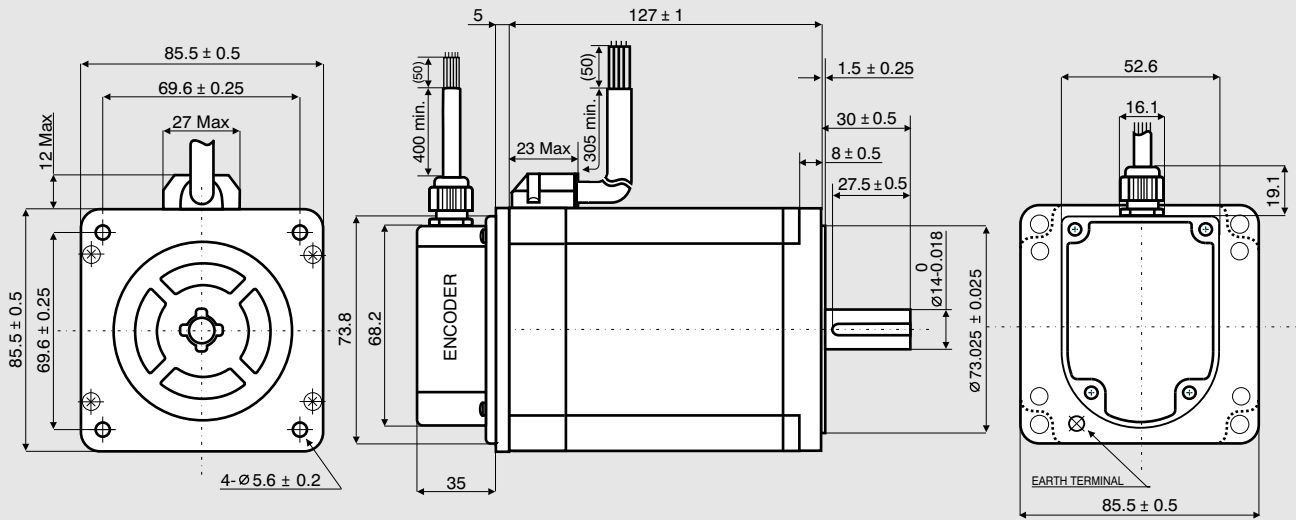


EM 3F3H-04S0

Dimensions (Unit:mm)



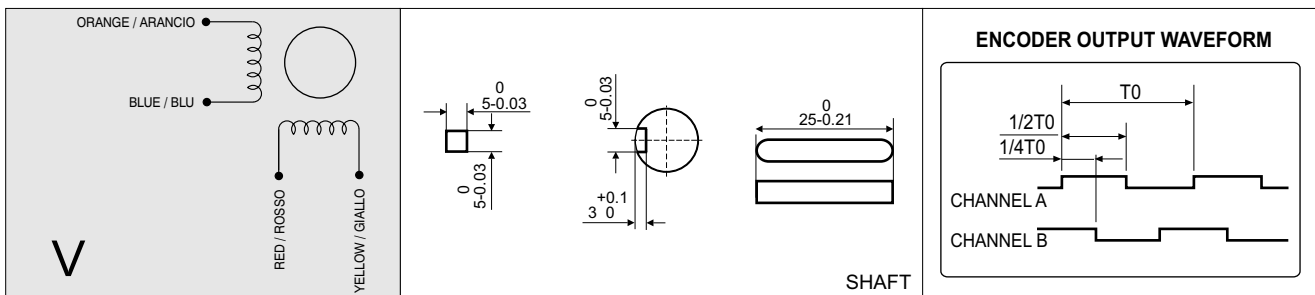
SANYO DENKI MOTOR FEATURES

MODEL	EM 3F3H-04S0	
SANYO DENKI MOTOR CODE	SM 2863-5225	
BASIC STEP ANGLE	1.8° ± 0.09°	
BIPOLAR PARALLEL CURRENT	(Amp)	6.0
RESISTANCE	(Ohm)	0.46
INDUCTANCE	(mH)	3.8
BIPOLAR HOLDING TORQUE	(Ncm)	920
ROTOR INERTIA	(Kg·m ² × 10 ⁻⁷)	4500
THEORETICAL ACCELERATION	(rad × sec. ⁻²)	20500
BACK E.M.F.	(V/Krpm)	161
MASS	(Kg)	4.1
INTERNATIONAL STANDARDS	UL, CSA	
INSULATION VOLTAGE	(V)	250 VAC (350 VDC)
PROTECTION DEGREE - INSULATION CLASS	IP43 - F	
LEADS CODE	V	

R.T.A. s.r.l. PAVIA (ITALY) SANYO DENKI CO., Ltd (JAPAN)

ENCODER FEATURES

POWER SUPPLY VOLTAGE	(Volt)	5 V _{DC} ± 5%	<table border="1"> <thead> <tr> <th>LEADS COLOR</th> <th>ENCODER</th> </tr> </thead> <tbody> <tr> <td>BLUE</td> <td>CHANNEL A</td> </tr> <tr> <td>GREEN</td> <td>CHANNEL B</td> </tr> <tr> <td>BLACK</td> <td>GND (0 V)</td> </tr> <tr> <td>RED</td> <td>+ DC (5 V)</td> </tr> <tr> <td colspan="2" style="text-align: center;">SHIELD</td> </tr> </tbody> </table>	LEADS COLOR	ENCODER	BLUE	CHANNEL A	GREEN	CHANNEL B	BLACK	GND (0 V)	RED	+ DC (5 V)	SHIELD	
LEADS COLOR	ENCODER														
BLUE	CHANNEL A														
GREEN	CHANNEL B														
BLACK	GND (0 V)														
RED	+ DC (5 V)														
SHIELD															
CURRENT CONSUMPTION	(mAmp)	35													
HIGH LEVEL OUTPUT	(Volt)	3.4 (TIP) - 2.4 (MIN) (I _{MAX} =10 mA)													
LOW LEVEL OUTPUT	(Volt)	0.2 (TIP) - 0.4 (MAX) (I _{MAX} =10 mA)													
OUTPUT SIGNAL		Single Ended													
RESOLUTION		400 cycles per revolution													
MAXIMUM FREQUENCY	(KHz)	60													



ED.01 02-15



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