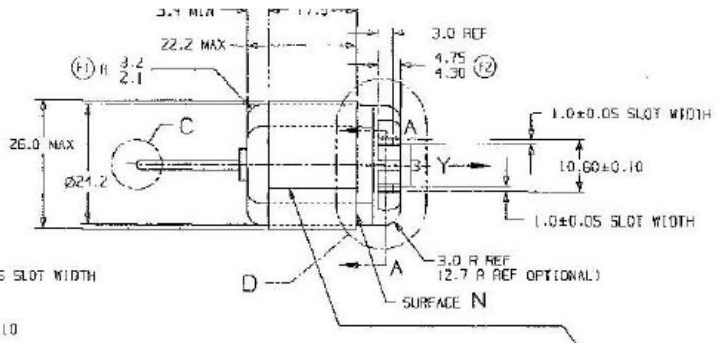
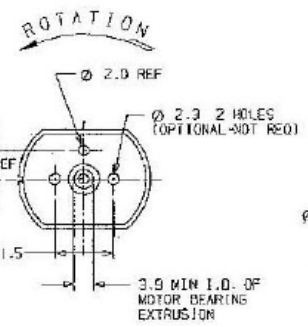
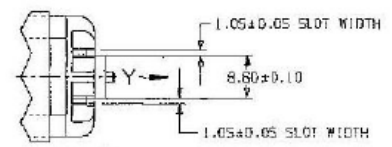
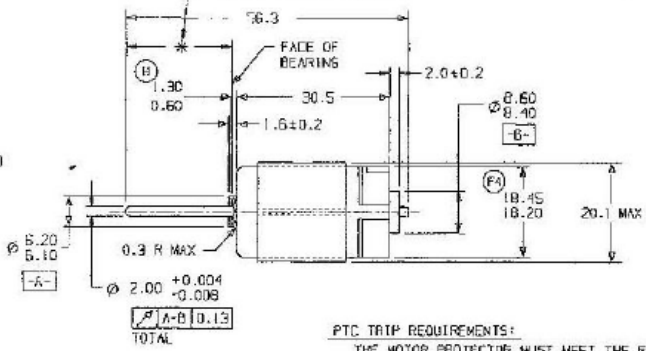


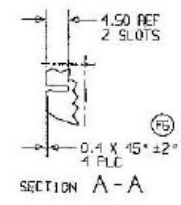
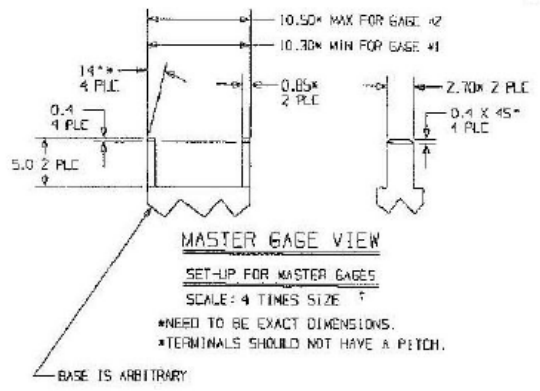
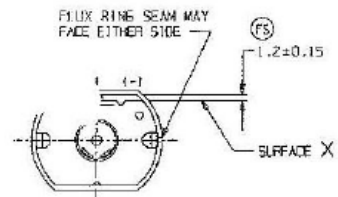
VIEW C
8.0 TIMES SCALE



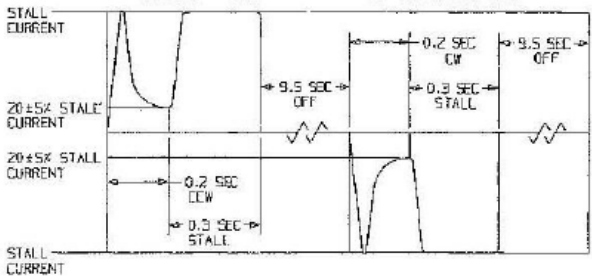
WITH ARMATURE END PLAY TAKEN UP IN DIRECTION OF ARROW, SHAFT EXTENSION FROM FACE OF MOTOR BEARING TO BE 20.88 TO 21.40



POSITIVE (+) TERMINAL TO BE COLOR IDENTIFIED BY A STRIPE ON FLUX RING, (TERMINAL SIDE), LOCATED AS SHOWN - SEE CHART FOR COLOR



DOORLOCK MOTOR DURABILITY TEST CYCLE-13.5 VDC



PTC TRIP REQUIREMENTS:

THE MOTOR PROTECTOR MUST MEET THE FOLLOWING SPECIFICATIONS WITH A POTENTIAL OF 10.5 VOLTS DC AT ANY TEMPERATURE RANGE FROM -30°C TO +80°C WITH THE MOTOR STALLED.

1. THE MOTOR PROTECTOR MUST MAINTAIN CONTACT FOR 2.0 SECONDS MINIMUM AND 210.0 SECONDS MAXIMUM.
2. THE MOTOR PROTECTOR RESET TIME MUST NOT EXCEED 60.0 SECONDS.
3. THE MOTOR MUST BE CAPABLE OF COMPLETING 5 CONTINUOUS CYCLES AT A CYCLE RATE OF 0.5 SECONDS "ON" AND 1 SECOND "OFF" WITHOUT INTERRUPTION OF THE MOTOR PROTECTOR.
4. THE MOTOR PROTECTOR MUST PROTECT THE MOTOR FOR 24 HOURS MINIMUM.

DURABILITY:

MOTOR MUST COMPLETE 65,000 CYCLES PER THE CURRENT PROFILE AS SHOWN AND MUST MEET MOTOR PERFORMANCE CRITERIA FOLLOWING THIS TEST.

TRANSIENT VOLTAGE SUPPRESSION:

MOTOR TRANSIENT, WHEN TESTED PER EN50157, MUST NOT EXCEED -150 VDC PEAK.

TERMINAL PUSH IN FORCE:

TERMINAL PUSH IN FORCE MUST MEASURE 16.0 TO 56.0 N WHEN USING GAGES SHOWN IN MASTER GAGE VIEW. TERMINALS TO BE INSERTED TO A DEPTH OF 4.0mm FROM SURFACE X.

GENERAL:

WITH THE MOTOR SUPPORTED ON SURFACE X, 2 PLACES, AND LOADED IN DIRECTION OF ARROW "Y", THE FLUX RING MUST MAINTAIN A FORCE OF 14.0 N MIN WITHOUT MOVEMENT.

FLUX RING SEAM GAP TO BE 2.5-3.5

SHAFT END PLAY 0.30 MAX

PART NO	MOTOR PERFORMANCE 10.5 VDC AND +24°C		FREE SPEED RPM	COLOR IDENT	TRANSIENT VOLTAGE SUPPRESSION	MOTOR SUPPLIER
	TORQUE X-3 SIGMA	CURRENT R+3 SIGMA				
22141937	13.75 OZ-IN MIN	5.0 AMP MAX	6200-11000	BLUE	YES	WABUCH!

