

CATALOG LISTING
V3L-3004
PAGE 1 OF 1

ISSUE
9

REVISIONS

FORMTEK

DRAWN

DCS

18 AUG 97

CHECK

DCS

20 AUG 97

CHECK

DCS

20 AUG 97

REPLACES

PR-14462

MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

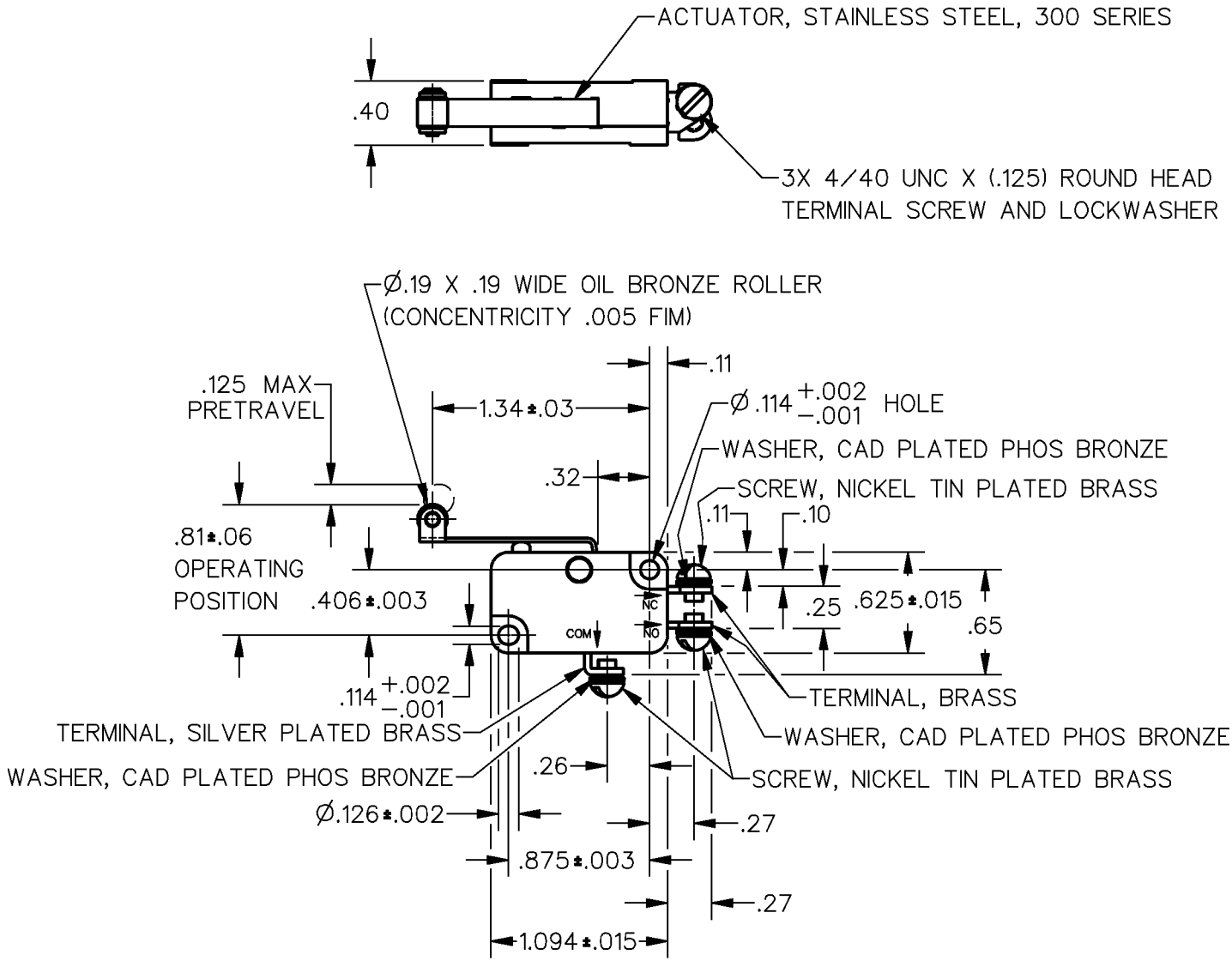
SWITCH – BASIC

CATALOG LISTING

V3L-3004

CQ-X1401

FAA-PMA



SPECIFICATION DETAILS:				
STANDARD:		CONFORMS TO (MIL-S-8805/C90), EXCEPT AS NOTED 		
CONSTRUCTION:				
ENCLOSURE DESIGN		UNSEALED		
CONTACT MATERIAL & CONFIGURATION		SMOOTH FINE SILVER		
CIRCUIT CONFIGURATION		S P D T		
TERMINATION		SCREW TERMINALS		
WEIGHT		0.3 OZ MAX		
ELECTRICAL CHARACTERISTICS:				
ELECTRICAL RATINGS		MAXIMUM VOLTAGE	LOAD RESISTIVE	LOAD INDUCTIVE
-SEA LEVEL		28VDC	10A	10A
-50,000 FEET		28VDC	10A	6A
DIELECTRIC STRENGTH & INSULATION RES		DIELECTRIC STRENGTH		INSULATION RESISTANCE
		(≈60 Hz FOR 5 SEC)		(500 VDC ± 10%)
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL		1000V Rms, 0.1mA (MAX LKG)		1000 MEGOHM MIN
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS		1000V Rms, 0.1mA (MAX LKG)		1000 MEGOHM MIN
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		1000V Rms, 0.1mA (MAX LKG)		1000 MEGOHM MIN
MECHANICAL CHARACTERISTICS:				
CHARACTERISTICS:				
OPERATING FORCE		86 GRAMS MAX		
RELEASE FORCE		9 GRAMS MIN		
PRETRAVEL		.125 MAX		
DIFFERENTIAL TRAVEL		.030 MAX		
OVERTRAVEL		.065 MIN		
MOUNTING STRENGTH		5 INCH LBS MAX		
LIFE:				
MECHANICAL LIFE		25,000 MIN 		
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN 		
ENVIRONMENTAL:				
TEMPERATURE RANGE		-55°C TO +85°C		
ALTITUDE RANGE		SEA LEVEL TO 50,000 FEET		
SHOCK		MIL-STD-202 METHOD 213, TYPE M CONDITION A		
VIBRATION		MIL-STD-202 METHOD 204, GRADE I		

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH		THIRD ANGLE PROJECTION	
CHARACTERISTICS		SCALE FULL	
OPERATING FORCE — — — 86 GRAMS MAX		DO NOT SCALE PRINT	
RELEASE FORCE — — — 9 GRAMS MIN		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
DIFFERENTIAL TRAVEL — — — .030 MAX		ONE PLACE (.0) ±.030	
OVERTRAVEL — — — .065 MIN		TWO PLACE (.00) ±.015	
RELEASE TRAVEL — — — .016 MIN		THREE PLACE (.000) ±.005	
		ANGLES ±	
		WEIGHT	
ELECTRICAL DATA			
CONTACT ARRANGEMENT S P D T			
L83 15.1A 1/2HP 125, 250 VAC			
1/2A 125 VDC, 1/4A 250 VDC			
5A 125 VAC "L"			

- NOTES
- 1

SPECIFICATION DETAILS APPLY TO THE BASIC SWITCH ONLY, WITHOUT ROLLER/LEVER ACTUATOR
- 2

LIFE RATINGS ARE PER MIL-S-8805C REQUIREMENTS, ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
- 3

CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL INFO ON LOW ENERGY LOADS
- 4

MICRO SWITCH, CIRCUIT DIAGRAM, CAT LISTING AND DATE CODE ARE IDENTIFIED ON SWITCH
- 5

SWITCH MARKING SHALL INCLUDE "FAA-PMA"

ANSI Y14.5M-1982 APPLIES