

DRAWING NUMBER 604EN8-1

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RELEASE NO. PR-22098

REPLACES

ISSUE 2

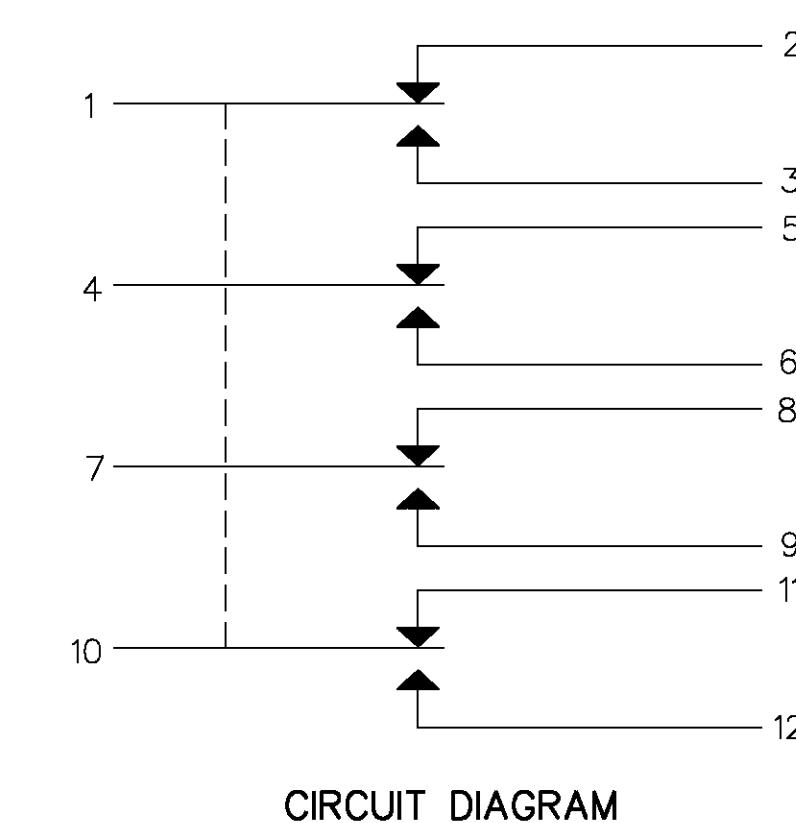
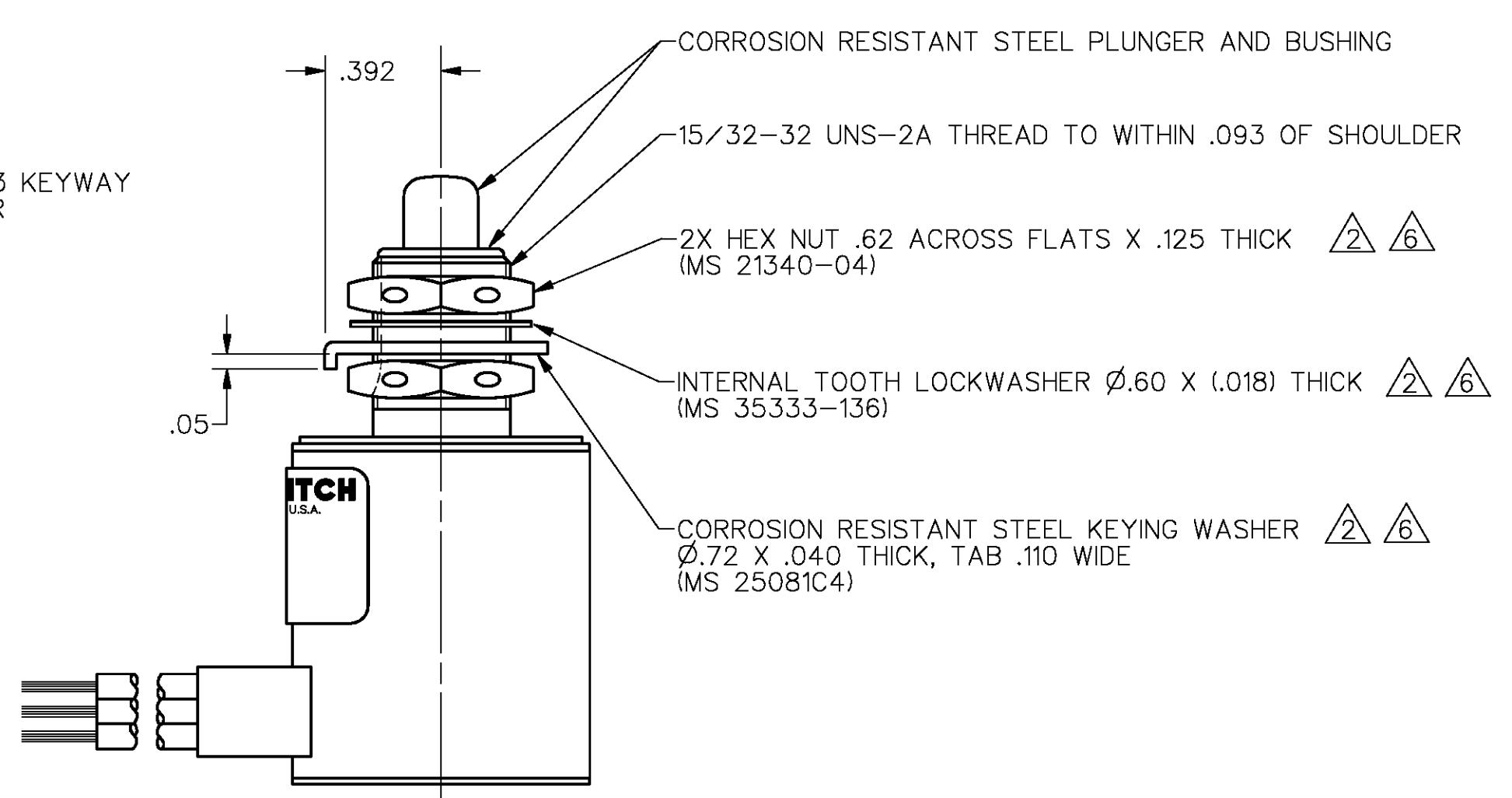
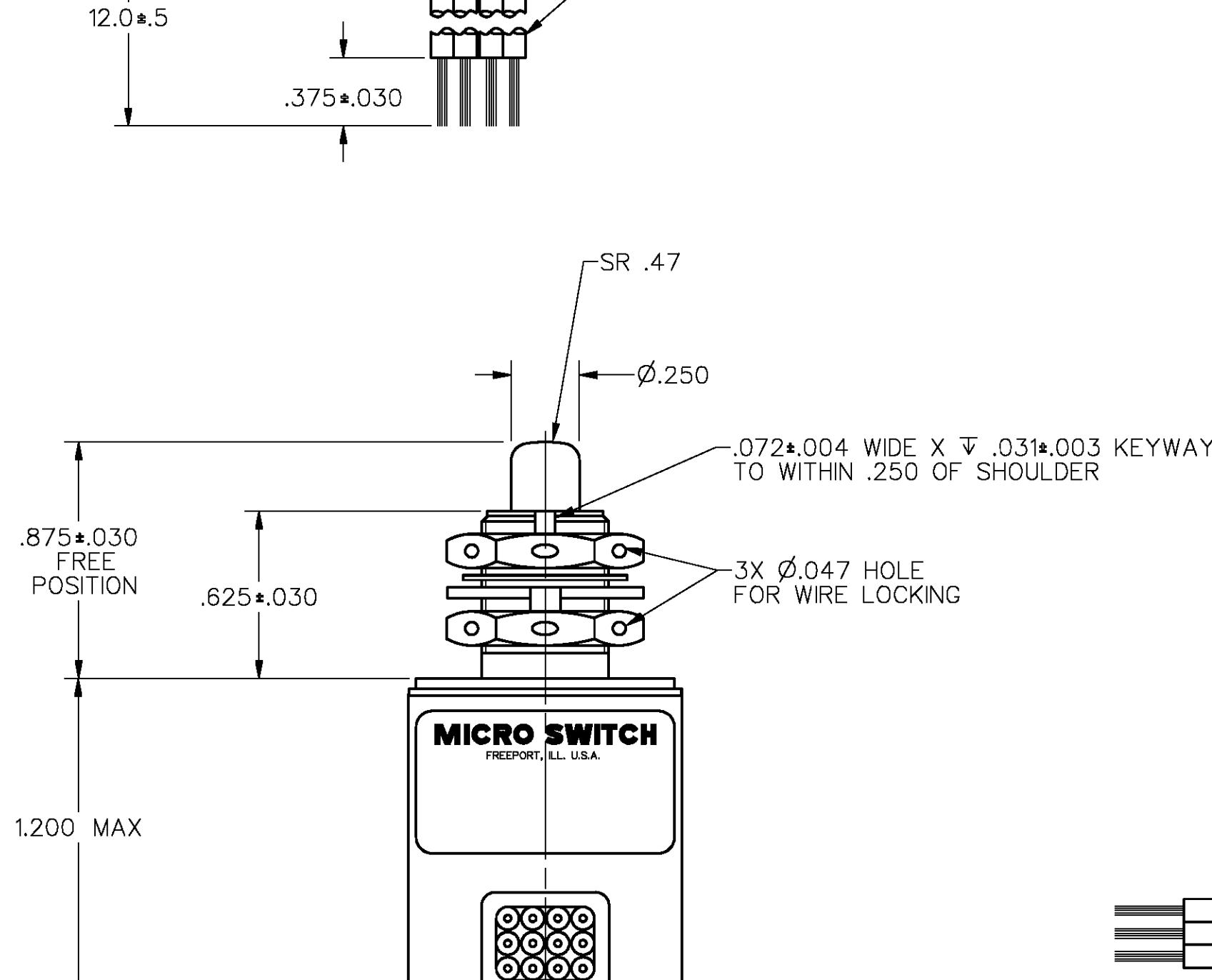
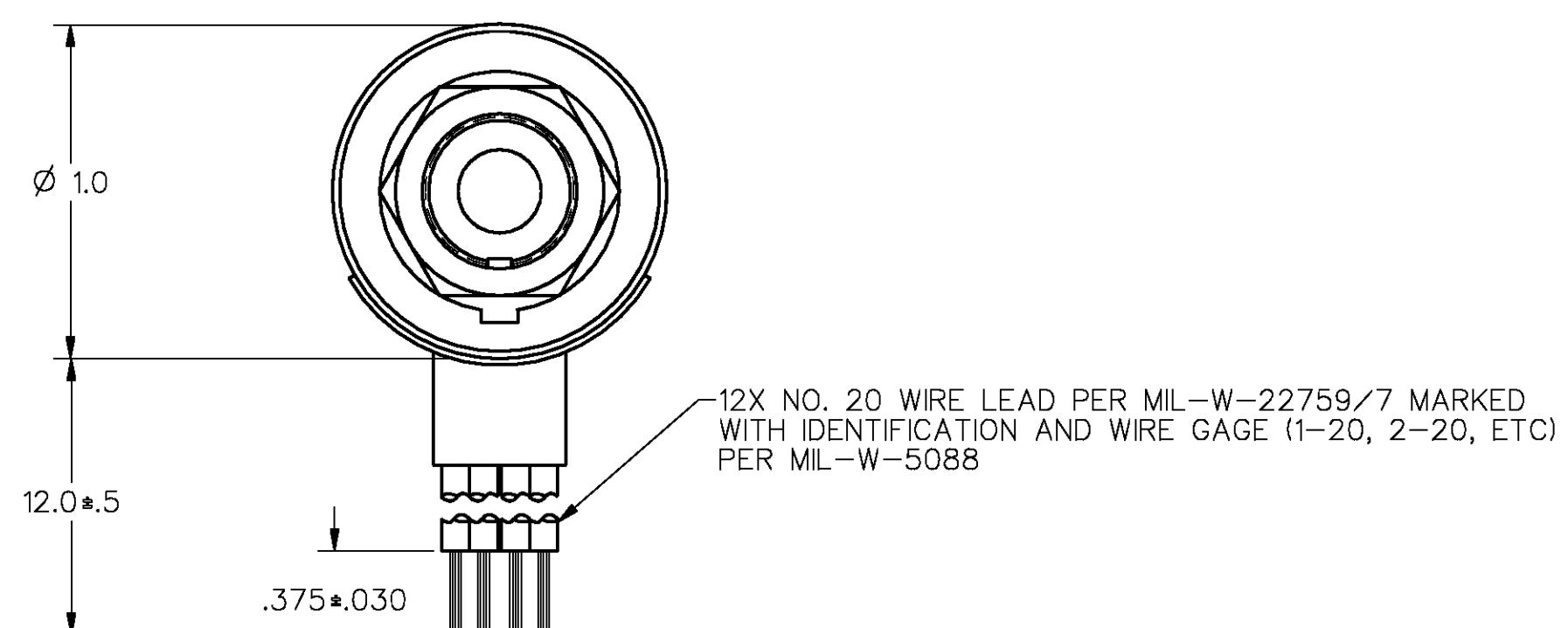
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REVISIONS

A/C093305

D-LT

1 OCT 88



CIRCUIT DIAGRAM

## SPECIFICATION DETAILS:

## STANDARD:

CONFORMS TO  
MS27240-3 (MIL-S-8805/43), EXCEPT AS NOTED

## CONSTRUCTION:

ENCLOSURE DESIGN  
CONTACT MATERIAL & CONFIGURATION  
CIRCUIT CONFIGURATION  
TERMINATION  
WEIGHTRESILIENT SEAL PER MIL-S-8805, SYMBOL 4  
SMOOTH SILVER CONTACTS  
4 SPDT  
LEADWIRES PER MIL-W-22759/7  
.85 LBEXPOSED METALS  
O-RING MATERIALCORROSION RESISTANT STAINLESS STEEL  
SILICONE

## ELECTRICAL CHARACTERISTICS:

## ELECTRICAL RATINGS

- SEA LEVEL  
-50,000 FEETVOLTAGE 28 VDC 28 VDC  
RESISTIVE 7A 7A  
INDUCTIVE 4A 2.5  
LOAD MOTOR 4A

## DIELECTRIC STRENGTH &amp; INSULATION RESISTANCE

DIELECTRIC STRENGTH  
INSULATION RESISTANCE  
~ 60 Hz. FOR 5 SECONDS (500 VDC ± 10%)  
1000 V Rms, 500u A (MAX. LEAKAGE) 1000 Meghorns MIN  
1000 V Rms, 500u A (MAX. LEAKAGE) 1000 Meghorns MIN  
1000 V Rms, 500u A (MAX. LEAKAGE) 1000 Meghorns MIN

## SWITCH RESISTANCE

RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5  
amps AND/OR 12 volts

5

NO 3

## MECHANICAL CHARACTERISTICS:

## CHARACTERISTICS:

COINCIDENCE OF OPERATING AND RELEASING POINTS

.010 OF PLUNGER TRAVEL

OPERATING FORCE

6-12 LBS

FULL OVERTRAVEL FORCE

30 LBS MAX

RELEASE FORCE

4 LBS MIN

PRETRAVEL

.040 MAX

DIFFERENTIAL TRAVEL

.020 MAX

OVERTRAVEL

.125 MIN

MOUNTING STRENGTH

15 IN-LBS

ACTUATOR STRENGTH

30 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION

## LIFE:

MECHANICAL LIFE

25,000 MIN. PER MIL-S-8805/43 4

ELECTRICAL LIFE AT FULL RATED LOAD

25,000 MIN. PER MIL-S-8805/43 4

## ENVIRONMENTAL:

TEMPERATURE RANGE

-55°C TO +85°C

ALTITUDE RANGE

SEA LEVEL TO 50,000 FEET

SHOCK

PER MIL-S-8805 SYMBOL M - 100 g

VIBRATION

PER MIL-S-8805 SYMBOL 2 - 10-2000 Hz. &amp; 15 g peak

MOISTURE RESISTANCE

PER MIL-S-8805 (10 DAY TEST)

THERMAL SHOCK

PER MIL-S-8805 (5 CYCLE TEST)

SALT SPRAY

PER MIL-S-8805 (96 HR TEST)

NOTES

- 1 - CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE AND FED. MFG. CODE SHOWN ON NAMEPLATE
- 2 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805
- 3 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- 4 LIFE RATINGS ARE PER MIL-S-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
- 5 SWITCH RESISTANCE EQUALS SWITCH CONTACT RESISTANCE PLUS WIRE LEAD LENGTH (OHMS/FT.). THE SWITCH CONTACT RESISTANCE SHALL NOT EXCEED 1% OF THE LOAD IMPEDANCE USING THE ELECTRICAL PARAMETERS OF THE ELECTRICAL ENDURANCE TEST LOAD. WIRE LEAD RESISTANCE EQUALS 9.19 OHMS/M FT. MAX AT +20°C
- 6 REPLACEMENT MOUNTING HARDWARE PACKET - 19PA9

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FED. MFG. CODE 81020

MASTER REDUCED

ANSI Y14.5M-1982 APPLIES

MICROSWITCH

a Honeywell Division

CATALOG LISTING

604EN8-1

SWITCH - ENCLOSED

THIRD ANGLE PROJECTION	
SCALE 2 : 1	
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED	
TOLERANCES ARE	
ONE PLACE (.01) ± .030	
TWO PLACES (.00) ± .015	
THREE PLACES (.000) ± .005	
ANGLES ±	
WEIGHT	

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