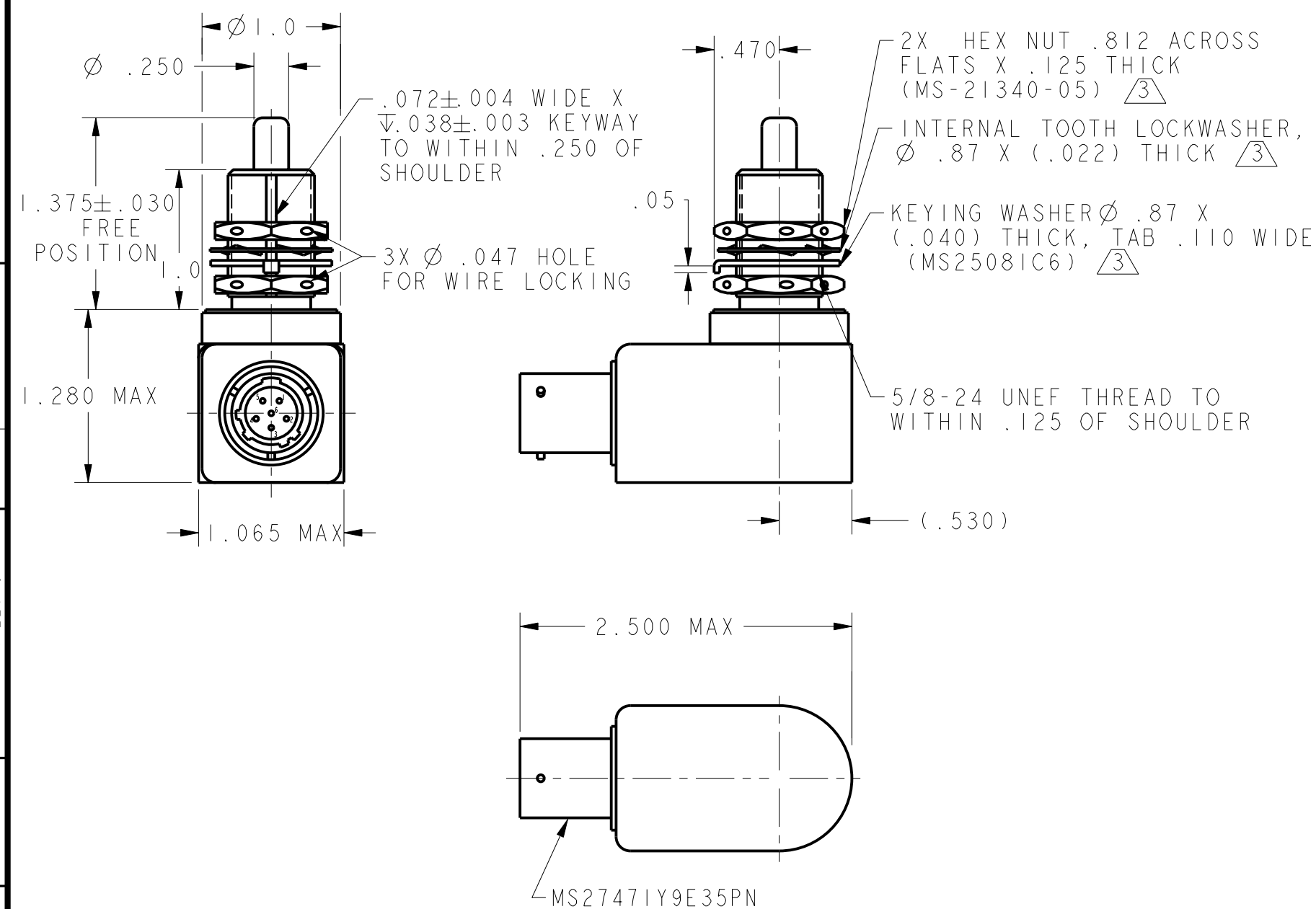
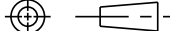




- | | | M | | 1EN329-R | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|----------------|-----------------|---------------|---|---|--------------------|------------------|--------------------|------------------|--------------------|------------------|---------------|---------------|---------------|---------------|------------|--------|---|---|---|----|--------------|--------|---|---|---|----|
| SPECIFICATION DETAILS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD: | | CONFORMS TO
MS24331-1 (MIL-PRF-8805/40), EXCEPT AS NOTED | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONSTRUCTION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENCLOSURE DESIGN | | WATERTIGHT SEAL PER MIL-PRF-8805, SYMBOL 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONTACT MATERIAL & CONFIGURATION | | SMOOTH SILVER CONTACTS & SMOOTH GOLD CONTACT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRCUIT CONFIGURATION | | 2 SPDT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TERMINATION | | CONNECTOR PER MS27471Y9E35PN | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WEIGHT | | .46 LB MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXPOSED METALS | | CORROSION RESISTANT STAINLESS STEEL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL CHARACTERISTICS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL RATINGS | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">VOLTAGE</th> <th colspan="2" style="text-align: center;">RESISTIVE</th> <th colspan="2" style="text-align: center;">LOAD INDUCTIVE</th> <th style="text-align: center;">MOTOR</th> </tr> <tr> <th></th> <th style="text-align: center;">$\triangle 2$</th> <th style="text-align: center;">$\triangle 1$</th> <th style="text-align: center;">$\triangle 2$</th> <th style="text-align: center;">$\triangle 1$</th> <th style="text-align: center;">$\triangle 2$</th> </tr> </thead> <tbody> <tr> <td>-SEA LEVEL</td> <td style="text-align: center;">28 VDC</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">.5</td> </tr> <tr> <td>-50,000 FEET</td> <td style="text-align: center;">28 VDC</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">.5</td> </tr> </tbody> </table> | | | | VOLTAGE | RESISTIVE | | LOAD INDUCTIVE | | MOTOR | | $\triangle 2$ | $\triangle 1$ | $\triangle 2$ | $\triangle 1$ | $\triangle 2$ | -SEA LEVEL | 28 VDC | 4 | 1 | 2 | .5 | -50,000 FEET | 28 VDC | 4 | 1 | 2 | .5 |
| VOLTAGE | RESISTIVE | | LOAD INDUCTIVE | | MOTOR | | | | | | | | | | | | | | | | | | | | | | | | |
| | $\triangle 2$ | $\triangle 1$ | $\triangle 2$ | $\triangle 1$ | $\triangle 2$ | | | | | | | | | | | | | | | | | | | | | | | | |
| -SEA LEVEL | 28 VDC | 4 | 1 | 2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | |
| -50,000 FEET | 28 VDC | 4 | 1 | 2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | |
| DIELECTRIC STRENGTH & INSULATION RESISTANCE | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">DIELECTRIC STRENGTH
≈ 60 Hz. FOR 5 SECONDS)
(MAX LEAKAGE)</th> <th style="text-align: center;">INSULATION RESISTANCE
(500 VDC ±10%)</th> </tr> </thead> <tbody> <tr> <td>1000 V Rms, 500μ A</td> <td>1000 Megohms MIN</td> </tr> <tr> <td>1000 V Rms, 500μ A</td> <td>1000 Megohms MIN</td> </tr> <tr> <td>1000 V Rms, 500μ A</td> <td>1000 Megohms MIN</td> </tr> </tbody> </table> | | | | DIELECTRIC STRENGTH
≈ 60 Hz. FOR 5 SECONDS)
(MAX LEAKAGE) | INSULATION RESISTANCE
(500 VDC ±10%) | 1000 V Rms, 500μ A | 1000 Megohms MIN | 1000 V Rms, 500μ A | 1000 Megohms MIN | 1000 V Rms, 500μ A | 1000 Megohms MIN | | | | | | | | | | | | | | | | |
| DIELECTRIC STRENGTH
≈ 60 Hz. FOR 5 SECONDS)
(MAX LEAKAGE) | INSULATION RESISTANCE
(500 VDC ±10%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 V Rms, 500μ A | 1000 Megohms MIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 V Rms, 500μ A | 1000 Megohms MIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 V Rms, 500μ A | 1000 Megohms MIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL
-BETWEEN TEMRINALS OF MUTUALLY INSULATED CIRCUITS
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SWITCH RESISTANCE | | CIRCUIT 1-3 $\triangle 5$; CIRCUIT 4-6 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts | | NO $\triangle 9$ CIRCUIT 4-6 YES $\triangle 9$ CIRCUIT 1-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MECHANICAL CHARACTERISTICS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHARACTERISTICS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATING FORCE | | 6-12 LBS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FULL OVERTRAVEL FORCE | | 30 LB MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELEASE FORCE | | 4 LB MIN | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRETRAVEL | | .040 MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIFFERENTIAL TRAVEL | | .020 MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERTRAVEL | | .250 MIN | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COINDICENCE OF OPERATING & RELEASE POINTS | | .010 OF PLUNGER TRAVEL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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-PRF-8805/40 $\triangle 6$ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL LIFE AT FULL RATED LOAD | | 25,000 MIN. PER MIL-PRF-8805/40 $\triangle 6$ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENVIRONMENTAL: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPERATURE RANGE | | -55 C TO +85 C | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALTITUDE RANGE | | SEA LEVEL TO 50,000 FEET | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHOCK | | PER MIL-PRF-8805 SYMBOL M - 100 g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VIBRATION | | PER MIL-PRF-8805 SYMBOL I- 10-500 Hz.& 10 g peak | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOISTURE RESISTANCE | | PER MIL-PRF-8805 (10 DAY TEST) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THERMAL SHOCK | | PER MIL-PRF-8805 (5 CYCLE TEST) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SALT SPRAY | | PER MIL-PRF-8805 (96 HOUR TEST) | | | | | | | | | | | | | | | | | | | | | | | | | | | |

THIRD ANGLE PROJECTION	
	
SCALE	FULL
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) ± .030
TWO PLACES	(.00) ± .015
THREE PLACES	(.000) ± .005
ANGLES	±
WEIGHT	

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