

- NOTES:
1. DRAWING TO BE INTERPRETED IN ACCORDANCE WITH THE CURRENT REVISION OF ASME Y14.5M. (H)
  2. THIS PART/PRODUCT IS TO BE MANUFACTURED WITH THE APPLICABLE REGULATIONS OF EC DIRECTIVES 2002/95/EC AND 2002/96/EC, RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) AND WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE).

CHARACTERISTICS  
ELECTRICAL:

RATINGS AT 28 VDC		
LOAD	SEA LEVEL	50,000 FT
RESISTIVE	7 AMPS	4 AMPS
INDUCTIVE	5 AMPS	2.5 AMPS
DWV	1050 VRMS	400 VRMS
ELECTRICAL LIFE: 50,000 CYCLE		

MECHANICAL:

MECHANICAL LIFE: 100,000 CYCLES  
SWITCH ACTION: 1ST POLE MAKES WITH PARTIAL DEPRESSING OF TRIGGER.  
2ND POLE MAKES BY DEPRESSING TRIGGER THROUGH DETENT TO FULL "IN" POSITION.

ACTUATING TRAVEL:

POLE 1: PRETRAVEL - .130 MIN. FROM FULL OUT  
OVERTRAVEL - .015 MIN. BEFORE FIRST DETENT  
POLE 2: PRETRAVEL - .020 MIN. BEYOND FIRST DETENT  
OVERTRAVEL - .030 MIN. BEFORE TOTAL TRAVEL

OPERATING FORCE: THE ACTUATING FORCE MEASURED AT THE BOTTOM OF THE TRIGGER SHALL BE  $2.250 \pm .500$  LBS. TO MAKE THE 1ST POLE.  $6.500 \pm .750$  LBS. SHALL BE REQUIRED TO PASS THROUGH THE DETENT, AND  $6^{+0}_{-3}$  LBS. TO CONTINUE TRAVEL AFTER THE DETENT.

PHYSICAL:

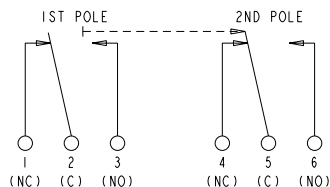
BUTTON: RED THERMOPLASTIC  
HOUSING: BLACK THERMOPLASTIC  
SIDE COVERS: BLACK ANODIZED ALUMINUM

ENVIRONMENTAL:

TEMPERATURE RANGE:  $-55^{\circ}\text{C}$  TO  $+85^{\circ}\text{C}$   
SEAL: UNSEALED PER MIL-PRF-8805; DESIGN I

MARK:

OTTO CONTROLS  
21649  
U2-016  
M8805/III-01  
TERM IDENT. &  
DATE CODE (YYWW)



THERMOPLASTIC BUTTON  
COLOR: RED (H)

THERMOPLASTIC HOUSING  
COLOR: BLACK (H)

$R1.062 \pm .062$   
POINT OF MEASURE  
FOR FORCE & TRAVEL

.265  $\pm$  .075  
DETENT

.440  $\pm$  .060  
TOTAL TRAVEL

UNLESS OTHERWISE  
SPECIFIED:  
DIMENSIONS ARE  
IN INCHES.  
TOLERANCES:  
.XX  $\pm$  .03  
.XXX  $\pm$  .010  
ANGLES  $\pm 2^{\circ}$   
DO NOT SCALE

MANUFACTURING  
SPC

OTTO CONTROLS  
DIVISION OF  
OTTO ENGINEERING INC.  
CARPENTERSVILLE, ILLINOIS USA

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DESCRIPTION

U2, TRIGGER SWITCH

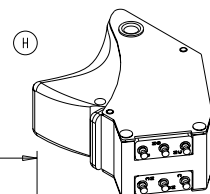
DRWN.	DLN	SIZE	FSCM NO	DRAWING NO.	REV.
CHKD.	DLN	B	21649	U2-016	H
APPD.	RTK				
WT.					

THIRD ANGLE  
PROJECTION

Scale 2:1 Sheet 1 OF 1

U2-016

REV	OCN #	DATE	APR
F	960140	16 JAN 96	RE
G	980314	30 JAN 98	RE
H	031542	18 JUL 06	DLN



SCALE 1:1

ALUMINUM SIDE COVERS  
BLACK ANODIZED (H)

