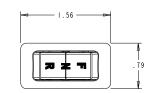
#### NOTES:

- I. CHANGE OF MATERIAL IS NOT PERMITTED UNLESS APPROVED IN WRITING BY OTTO ENGINEERING PERSONNEL.
- DRAWING TO BE INTERPRETED IN ACCORDANCE WITH THE CURRENT REVISION OF ASME YI4.5M.
- 3. 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).





SCALE I:I

FNR-1002

REV OCN # DATE APR
A 042803 28 APR 08 KKK

## CHARACTERISTICS:

## ELECTRICAL:

## ELECTRICAL RATINGS:

RATINGS AT 28 VDC					
LOAD	SEA LEVEL	50,000 FT.			
RESISTIVE	4 AMPS.	4 AMPS.			
INDUCTIVE	2 AMPS.	2 AMPS.			

ELECTRICAL LIFE: 25,000 CYCLES

# MECHANICAL:

MECHANICAL LIFE: 1,000,000 CYCLES

ACTUATION FORCE:

FORWARD / REVERSE TO NEUTRAL: (1.60 LBS.)
NEUTRAL TO FORWARD / REVERSE: (2.80 LBS.)

#### PHYSICAL:

# TEMPERATURE RANGE:

STORAGE: -50°C TO +85°C OPERATING: -40°C TO +85°C SEAL: INTERNAL SWITCH MECHANISM SEALED PER IP-68S

WIRE: 20 GAGE PER MIL-W-16878/5

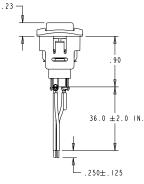
# MARKING:

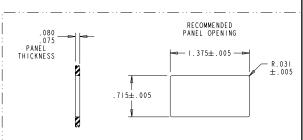
OTTO

FNR-1002

DATE CODE (YYWW)

MARKING LOCATION (EITHER SIDE)	
	1.46







SPECIFIED:

DIMENSIONS ARE
IN INCHES.
TOLERANCES:
.XX ± 0.3
.XXX ± 0.10
ANGLES ±2°
DO NOT SCALE

UNLESS OTHERWISE

.708 MAX

1.368 MAX

OTTO SCAPENTERSVILLE, ILLINOIS USA

CARPENTERSVILLE, ILLINOIS USA

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DETRINEMENT TO THE INTERESTS
OF OTTO ENGINEERING, INC..
WT.

DESCRIPTION
FNR, SWITCH,
OTTO UNIVERSAL

RWN. BDS	SIZE	FSCM NO	DRAWING NO.		REV.
HKD. RWB	R	21649	FNR-I	102	Δ
PPD. AH	U	21049	1 1111 1 (	) U L	7.1
/T.		THIRD ANGLE PROJECTION	♦ 🗗 Scale I:I	Sheet I	OF I

SINGLE POLE TRIPLE THROW SCHEMATIC						
FORWARD	NEUTRAL	REVERSE				
o— RED	o— RED	o— RED				
→	BLACK → GREEN	BLACK ──				
o— BLUE	o— BLUE	→ BLUE				
	FORWARD  — RED  — GREEN	FORWARD  NEUTRAL  ORED  ORED  OGREEN  BLACK  OGREEN				