NOTES:

1. CHANGE OF MATERIAL IS NOT PERMITTED UNLESS APPROVED IN WRITING BY OTTO ENGINEERING PERSONNEL.
2. DRAWING TO BE INTERPRETED IN ACCORDANCE WITH THE CURRENT REVISION OF ASME Y14.5M.
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).

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.)

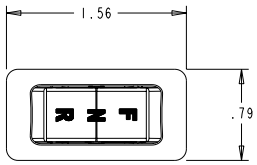
PHYSICAL:

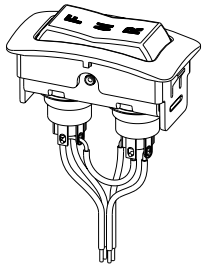
TEMPERATURE RANGE:
STORAGE: -50°C TO +85°C
OPERATING: -40°C TO +85°C
SEAL: INTERNAL SWITCH MECHANISM SEALED PER IP-68S

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

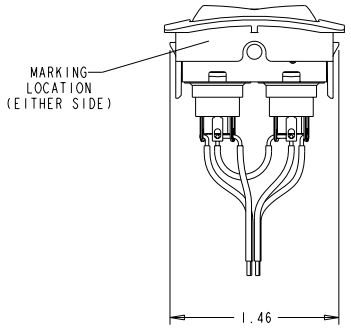
MARKING:

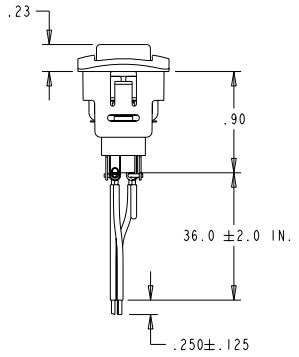
OTTO
FNR-1002
DATE CODE (YYWW)

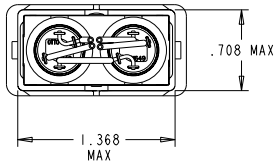


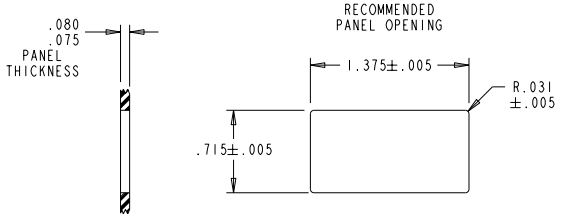


SCALE 1:1









SINGLE POLE TRIPLE THROW SCHEMATIC		
FORWARD	NEUTRAL	REVERSE
BLACK — RED, GREEN, BLUE	BLACK — GREEN; RED, BLUE	BLACK — GREEN; RED, BLUE

FNR-1002			
REV	OCN #	DATE	APR
A	042803	28 APR 08	KKK

■ MANUFACTURING
▲ SPC

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES:
.XX ±.03
.XXX ±.010
ANGLES ±2°
DO NOT SCALE

OTTO®
CARPENTERSVILLE, ILLINOIS USA

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DESCRIPTION
FNR, SWITCH,
OTTO UNIVERSAL

DRWN. BDS	SIZE	FSCM NO	DRAWING NO.	REV.
CHKD. RWB	B	21649	FNR-1002	A
APPD. AH				
WT.		THIRD ANGLE PROJECTION	Scale 1:1	Sheet 1 OF 1