Micro-Miniature Rotary Selector Switch

Series
13M

Military
Qualified
to MIL-S-3786/13
and listed on QPL

Indexing
45°

45°, 1 Pole/Deck
8 Positions

45°, 2 Poles/Deck
4 Positions

Switches feature totally enclosed, explosion-proof, unitized construction.

(7) Electrical Rating: Continuous 8 Amps at 28 v.d.c.
make and break   .25 amp res. @ 115 v.a.c.
(10,000 cycles)   .25 amp res. @ 28 v.d.c.
                         .12 amp ind. @ 28 v.d.c.

(6) Dielectric strength: 500 VRMS.

(5) Each switch will be provided with two
hexagon nuts. .312±.010 across flats and
.062±.010 thick, and one internal tooth
lockwasher .415 max. O.D.

(4) Stop strength: 12 in. lbs. min.

NOTES:

(3) 1 Pole/Deck, 8 position switches will
be continuous rotation. All other
switches shall have stops.

(2) Identify switches per MIL-S-3786, part no.
(Ref.) 3786/13-0102. If MIL part no.
is not specified, identify switches with:
SR-13-E-30C-3-HPC
                    — Angle of throw
                    — "E" or "F" construction.

(1) All switches represented by this drawing
conform to MIL-S-3786/13; Temp life
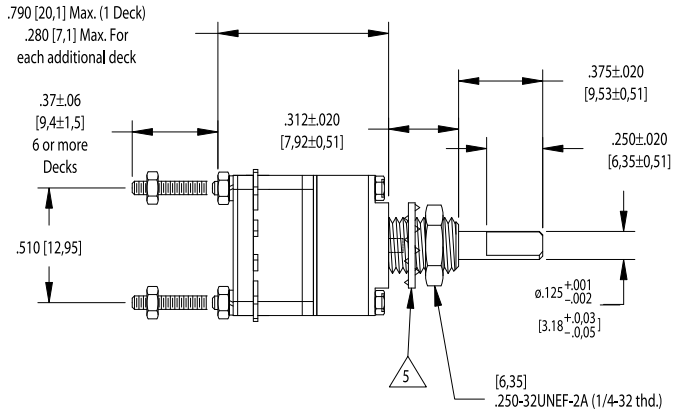characteristic "C", vibration grade "3",
shock "H", and altitude "C".

HOW TO ORDER

P/N CODE:

| 13M | L | 45 | E | B | 1 | - | 4 | N | 8 | C | F |

ADD FOR FLUX PROOFING
ADD FOR CONTINUOUS ROTATION (1 POLE/ DECK ONLY) (3)
NO. OF POSITIONS
S = SHORTING CONTACTS
N = NON-SHORTING CONTACTS
NO. OF DECKS (12 MAX.)
NO. OF POLES PER DECK
(2 POLES MAX.)
INDICATES TEMP. LIFE "B", OMIT FOR TEMP LIFE "C".
CONSTRUCTION STYLE "E" OR "F".
INDICATES DEGREE OR INDEX (30∞, 36∞, OR 45∞)
ADD "L" FOR LOW LEVEL
JANCO BASIC PART NO.

If unable to use standard code, contact factory for UNIQUE PART NO.

3111 Winona Avenue   Burbank, California 91504   Phone: (818)846-1800   FAX: (818)842-3396

.790 [20,1] Max. (1 Deck)
.280 [7,1] Max. For each additional deck

.37±.06 [9,4±1,5] 6 or more Decks

.510 [12,95]

.312±.020 [7,92±0,51]

.375±.020 [9,53±0,51]

.250±.020 [6,35±0,51]

ø.125 $^{+.001}_{-.002}$ [3.18 $^{+0,03}_{-0,05}$]

[6,35] .250-32UNEF-2A (1/4-32 thd.)

NOTE: DIMENSIONS ARE SHOWN IN INCHES AND [mm].

ø.688 [ø17.48] Max. over terminals
ø.630 [ø16,00] Max. over body
.250 [6,35]
ø.062 X .064 lg. Pin [ø1,57] X [1,63]
15° Pos. 1
.094±.010 [2,39±0,25] Shaft is shown in position 1

"E" CONSTRUCTION STYLE
Explosion-proof, closed construction
without sealed shaft and bushing

O-Ring Panel Seal
.203±.003 [5,16±0,08]
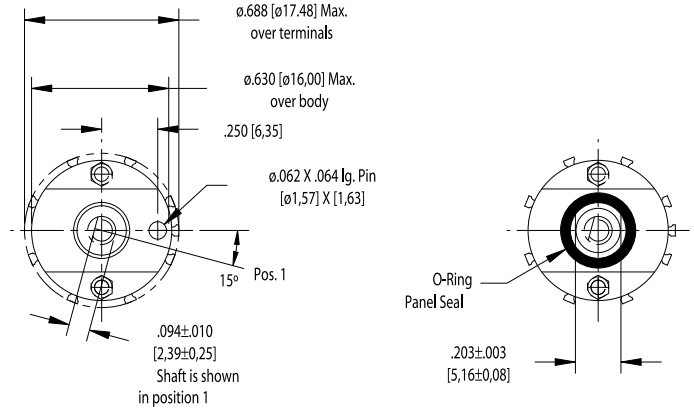
"F" CONSTRUCTION STYLE
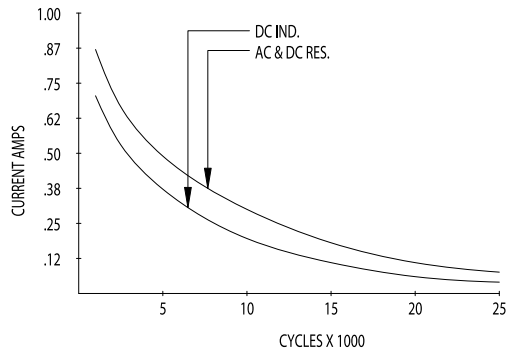Explosion-proof, closed construction
with sealed shaft and bushing
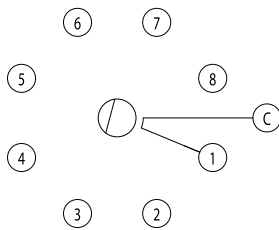
1 POLE PER DECK
2-8 POSITIONS

1 POLE
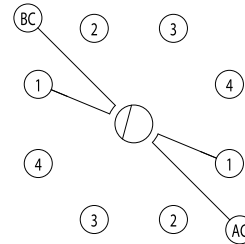
2 POLES PER DECK
2-4 POSITIONS

2 POLES

Life Expectancy Curve - Standard Ratings

DC IND.
AC & DC RES.

CONTACT RESISTANCE: .005 ohms initially - .020 ohms after life
INSULATION RESISTANCE: 100,000 megohms initially
10,000 megohms after life
DIELECTRIC STRENGTH: 750 vrms initially - 500 vrms after life
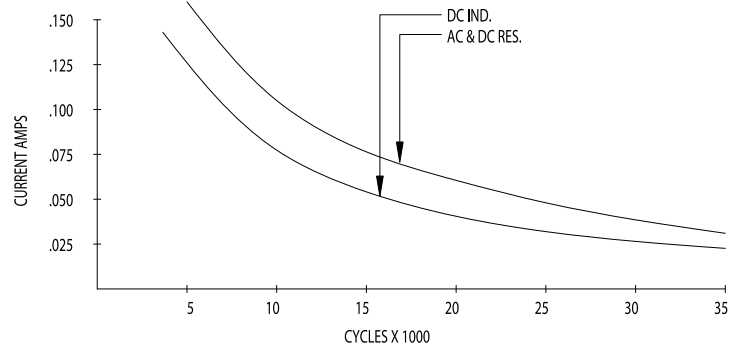
Life Expectancy curve - Low Level

DC IND.
AC & DC RES.

Janco low level switches are designed to have an
initial contact resistance less than .003 ohms,
and less then .010 ohms during life. If a current rating
greater than .15 amp is required use standard rating.