

Model	Load	Amp	Volt	Hz	Temp C	Pol/ Thr/ (Cir)	Endurance	IP	DIS	SPCA
							55C			
CN CO CP	GP	13	125	50/60	85/55	1/2 (1.4)	10k	40	Micro	3, 8
	GP	16	125	50/60	85/55	1/2 (1.4)	10K	40	Micro	3, 8
	GP	6.5	250	50/60	85/55	1/2 (1.4)	10K	40	Micro	3, 8

EXPLANATION OF COLUMN HEADINGS

Model - Cat. No. - Identifier used by the manufacturer for a specific switch Model or Catalog number.

f/b - followed by, ww/o - With or without,

Load - identify the load according the Testing. R= resistive, RM= resistive and motor, RC= resistive and capacitive, L=tungsten lamp load, Spc= specific load, mA =load below 20mA, SpcL, SpcT = specific lamp load such as US L or T, I= inductive, SpcM= specific motor rating, TV= television, GP= general purpose, GPM= general purpose and motor, GPhp= general purpose and horse power.

Amps - the steady state amp value of the switch. Per pole value may be marked "PP" and is verified by the circuit connection.

Volt - the Voltage (RMS) value.

Hz - the Frequency or range such as (50-60).

Temp - The declared operating temperature of the switch.

Pol/Thr/Cir - The number of Poles (Pol) and Throws (Thr) represented by the switch construction (where "M" indicates multiple poles (more than 2). The circuit (Cir) is identified by a code explained in the standard and appendix pages (Table 2 of 61058-1).

IP - Degree of protection against ingress of solid objects and dust, and harmful ingress of water.

DIS - Disconnect air gap across open contact, electronic is indicated by "e", micro indicated "micro", FULL indicated with a measurement in mm.

55C cycle - the number of Endurance cycles completed with a temperature rise less than 55C (on terminals).

SPCA - Identifies Special Conditions of Acceptability that must be considered in the end product. A list of typical SPCOAs (represented with a number) are found in the WOYR2 guide card. Conditions other than the typical are represented with a letter and described in the specific volume and section follow-up procedure description.

USR - Products designated USR have been investigated using US requirements as noted in the Test Record.

CNR - Products designated CNR have been investigated using Canadian requirements as noted in the Test Record.

Switch Declaration: Use table for general and indicate differences below.

Model	CO, CN, CP		
Ambient Temp. C	See table page 1	Type Reference	C.T.
Total Cycles	See table page 1	Glow Wire Temp. C	850
IP rating	See table page 1	PTI	250 IIIa
Electric shock Class	II	Over Voltage Category	II
Pollution degree Macro	2	Impulse withstand Volt	2500
Pollution degree Micro	2	Disconnect	See table page 1
Actuation	Rocker	Test Circuit	See table page 1

Terminal	Type	Wire range	Flexible/ Rigid	Wire type	Prepared or Unprepared	Specific test amps
C, 1, 2	Solder, PCB	1.5 - 2.5 mm ²	Flexible	/	unprepared	/

NOMENCLATURE:

*CO, CN, CP	X	1	3	X	X	X	X	XX
I	II	III	IV	V	VI	VII	VIII	IX

I	Series (CO or CN or CP)
II	Any letter or number; define external shape of body and rocker and type of terminals
III	1 - Switching Sequence
IV	3 - Electrical rating
V	Any letter or number; define body color
VI	Any letter or number; define rocker color
VII	Any letter or number; define symbol marked on rocker
VIII	Any letter or number; define color of symbol marked on rocker
IX	Any letters or numbers; customization

See Ill. 4 for Nomenclature

FIGURE & ILLUSTRATIONS:

The following Figures & Illustrations are included in this Report.

Figure and Illustration Index		
Fig. 1		Overall View all models
Fig. 2		Internal View - model CO
Ill. 1		Schematic model CN
Ill. 2		Schematic model CO
Ill. 3		Schematic model CP
Ill. 4		Nomenclature

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - The switches covered by this Report are for use only in complete equipment where the suitability of the combination is determined by UL.

STANDARD CONDITIONS OF ACCEPTABILITY: (See Section General or LIS guide Page)

SPECIAL CONDITIONS OF ACCEPTABILITY: (See section General or LIS guide Page)

Specific Conditions of Acceptability should be identified in page 1 column SPCA. Below are the conditions that apply to this description, items 1 to 8 or unique conditions are identified by a alphabetical letter.

- A. The electronic switch endurance testing under abnormal conditions of the Solid State Device shorted or disconnected was not evaluated in the recognition. The end use application should consider wither a limited number of operations under these conditions is required.
- B. IP40 - for accessible parts and enclosure of the end product enclosure when mounted or installed according to the manufacturers directions. Test material thickness ___ mm, opening dimensions _____ mm diameter. Internal parts were not evaluated for IP ratings and must be considered in the end product.
- C. The tests were conducted with wire size 12AWG stranded only.

CONSTRUCTION DETAILS:

Corrosion Protection - All ferrous metal parts are protected against corrosion by plating, painting, galvanizing or equivalent.

Spacing - Spacing between uninsulated live-metal parts of opposite polarity and also those parts and dead-metal parts, including openings for mounting screws have been evaluated to the requirements of the standard.

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Spacings were measured at the following locations: A: Switch inside between Terminal N to 3 (Lamp Terminal) B: Inside switch between Live parts to Locking Spring C: Between Live parts(Terminals) and Accessible part (Push Button) D: Between contacts					
Table 22 - 24	Creepage distance Cd and clearance Cl across:	<u>MIN</u> Required Cd (mm)	Measured Cd	<u>MIN</u> required Cl (mm)	Measured Cl
Locations	Functional, sealed or encapsulated	--	--	--	--
A	Functional,	2.5	>3.0	1.5	>1.5
B	Basic	2.5	>2.5	1.5	>1.5
-	Supplementary	--	--	--	--
C	Reinforced	5.0	6.2	3.0	7.0
-	Full disconnection	--	--	--	--
D	Micro disconnection	2.5	>3.0	--	--

Measured at model CO

Marking : Markings on the switch body consist of items (a), (b), (e), (f) and at least (c) or (d) as noted below (other markings shall be on the smallest shipping package or documentation).

- Recognized company (applicant), Manufacturer's Name or Trade Mark (as described in the UL report)
- The UL Recognized Component Mark and when applicable Recognized Component Mark for Canada .
- Switch Catalog/Model/part number
- Electrical ratings **(one or more of declared rating)**
- Factory code (as described in the UL report ... if more than one location)
- When applicable: Terminal identification unless they are self evident, Earthing terminal, signal lamp maximum power, required installation.

Marking is provided by (hot stamp into the plastic body or by raised molded characters) or (recognized component labeling system).