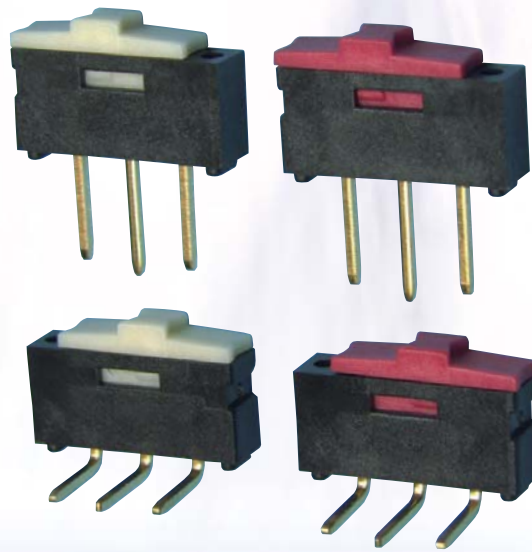




**SLIDE SWITCHES**

**CL-SA**



A *Nidec* Group Company

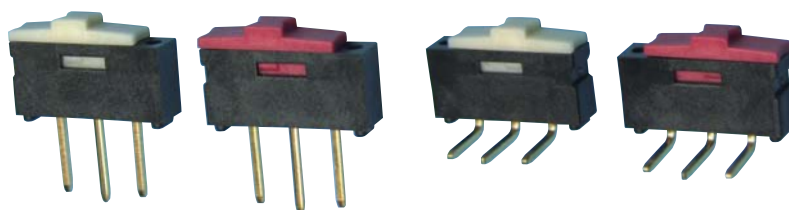
**COPAL ELECTRONICS**

All for dreams

■ Ideal for replacing jumper pins

# SLIDE SWITCHES

# CL-SA



## ►FEATURES

- Correspond to rating current 500mA
- Possible to continue mounting with 2.54mm pitch
- RoHS compliant

## ►APPLICATION

- Inverters
- Broadcast equipment camera
- Monitoring camera
- Switching equipment
- Portable base station
- Telecommunication equipment
- Industrial equipment etc.

## ►PART NUMBER DESIGNATION

|                   |   |                                    |
|-------------------|---|------------------------------------|
| Series name       | <b>CL-SA-12C-02</b>                                 | From of packaging                  |
| No. of poles      | 1: 1 pole   | Blank: Bulk in Plastic bag         |
| No. of positions  | 2: 2 positions                                      | Contact material                   |
| Shape of terminal | C: PC terminal<br>C4: PC terminal-R/A (Right angle) | 2: Gold                            |
|                   |   | Knob length • Color                |
|                   |   | 0: Short • White<br>2: Short • Red |

## ►STANDARD SPECIFICATIONS

|                             |              |
|-----------------------------|--------------|
| Operating temperature range | -40 ~ 85 °C  |
| Storage temperature range   |              |
| Sealing                     | Non Washable |

## ►MECHANICAL CHARACTERISTICS

|                 |   |               |
|-----------------|---|---------------|
| Stroke          | 1.6mm   |               |
| Operation force | 2.5±1.5N {0.26±0.15 kgf}  |               |
| Load life       | Rated load  | 2,000 cycles  |
|                 | No load   | 10,000 cycles |
| Soldering heat  | Flow 260±3°C 5~6s, 2 times max.<br>※Except R/A terminal (CL-SA-12C4-*2) |               |
|                 | Manual soldering 380±10°C, 3~4s   |               |

## ►ELECTRICAL CHARACTERISTICS

|                            |                         |             |
|----------------------------|-------------------------|-------------|
| Contact rating             | Non-switching           | DC50V 500mA |
|                            | Switching               | DC12V 500mA |
|                            | Minimum                 | DC20mV 1μA  |
| Initial contact resistance | 22mΩ max.               |             |
| Insulation resistance      | 10,000MΩ min. (DC 100V) |             |
| Dielectric voltage         | AC500V 60s              |             |

## ►PACKAGING SPECIFICATION

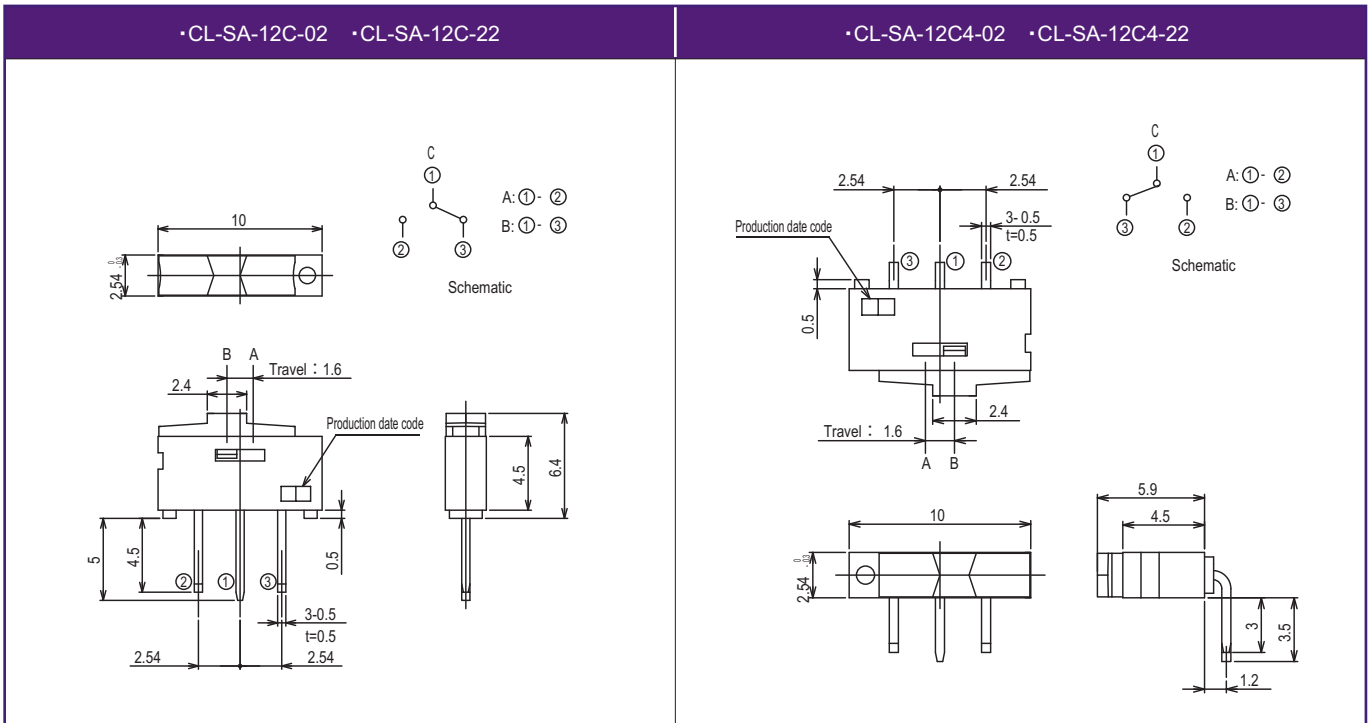
|             |               |
|-------------|---------------|
| Plastic bag | 50pcs. / pack |
|-------------|---------------|

► **LIST OF PART NUMBERS**

| No. of poles | No. of contacts | Contact material | Knob length · Color | Shape of terminal | Part number   | From of packaging | Pieces in package |
|--------------|-----------------|------------------|---------------------|-------------------|---------------|-------------------|-------------------|
| 1            | 2               | Gold             | Short · White       | PC terminal       | CL-SA-12C-02  | Plastic bag       | 50pcs./pack       |
|              |                 |                  | Short · Red         |                   | CL-SA-12C-22  |                   |                   |
|              |                 |                  | Short · White       | PC terminal -R/ A | CL-SA-12C4-02 |                   |                   |
|              |                 |                  | Short · Red         |                   | CL-SA-12C4-22 |                   |                   |

► **OUTLINE DIMESIONS**

※Unless otherwise specified, tolerance : ±0.3(Unit: mm)



► **SIZE OF P.C.B. PROCESSING**

(Unit: mm)

