Capacitive switches for underlay applications





DISTINCTIVE FEATURES

Activated by the touch of a finger
50 million cycles
Auto-calibration function
Mounting under non-conductive surfaces
Mating harness on request



ENVIRONMENTAL SPECIFICATIONS

- Triggered by flowing water
- Temperature range : -40 °C to +70 °C (-40 °F to +158 °F)
- Adhesive and connector resistant to vibrations



ELECTRICAL AND GENERAL SPECIFICATIONS

- Supply voltage: 5 VDC, 12 VDC or 24 VDC
- Supply current: 15 mA max. (12 V)
- Max. current/voltage rating : 200 mA 24 VDC
- Life expectancy: 50 million cycles
- Switch resistance ON: 1 Ohm max.
- Power consumption: 10 mA max. mode OFF
- Output type: NPN



MATERIALS

- Case : ABS
- · Sealing: epoxy

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

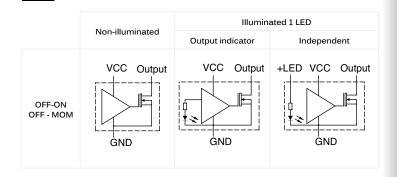
The company reserves the right to change specifications without notice.



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WIRING DIAGRAMS



WIRING FOR MATING CONNECTOR HARWIN M30-1100400

• Pin 1 : output

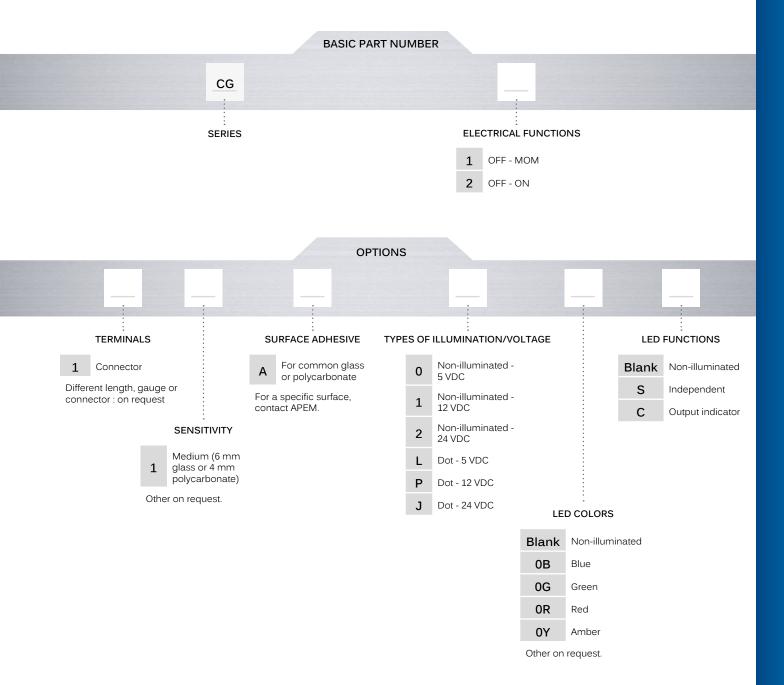
Pin 2 : GND Pin 3 : +LED Pin 4 : +VCC

- Mating harness (connector + wires) available on request.
- This switch should not be used in safety applications.

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(23)

BUILD YOUR PART NUMBER



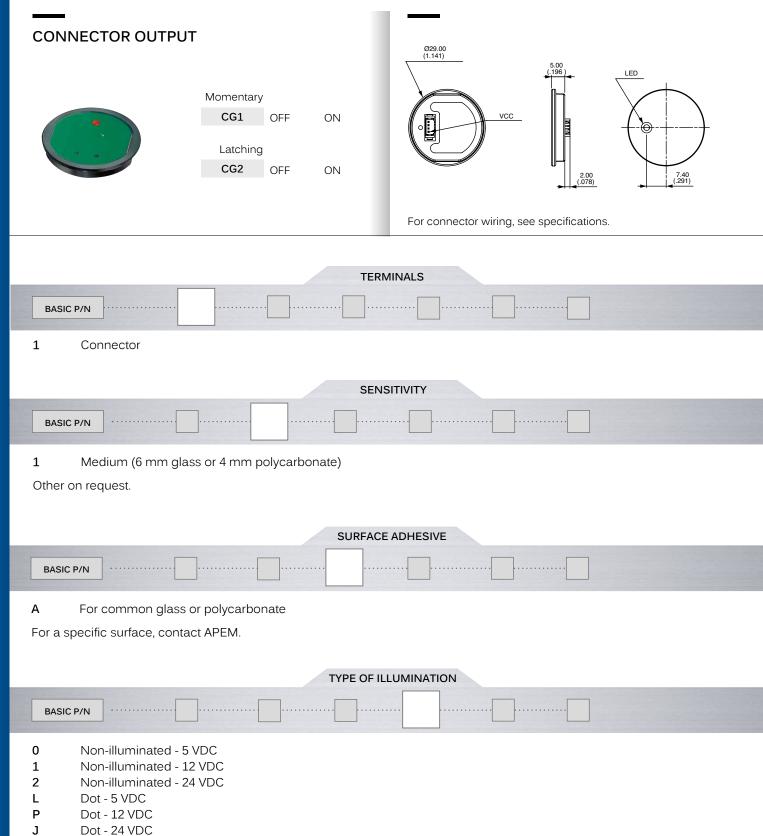


ABOUT THIS SERIES

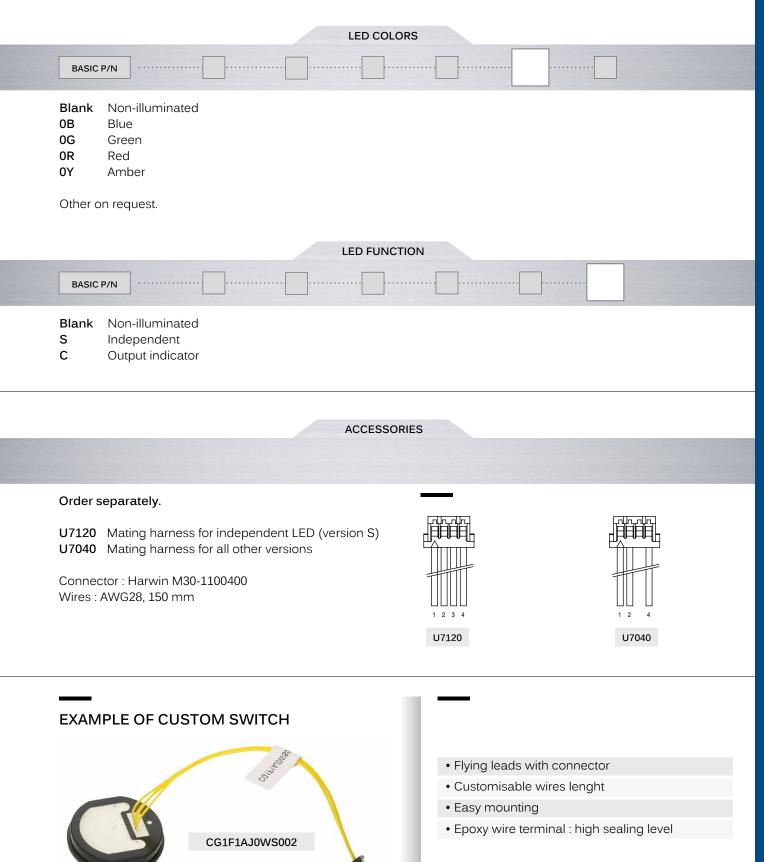
On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

(1) Notice: please note that not all combinations of above numbers are available. Refer to the following pages for further information.

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Mouser Electronics

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Apem:

<u>CG111AJORS</u> <u>CG111ALORC</u> <u>CG111APORC</u> <u>CG111A2</u> <u>CG211APOGC</u> <u>CG211ALOGS</u> <u>CG211AO</u> <u>CG211AJOGS</u> CG211APOGS