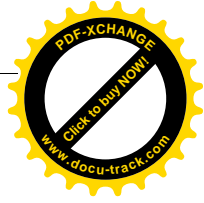


APEM

A world of switching capabilities



www.apem.com



n° 2 - April 27th, 2007

News Alert

Currently available: a completely sealed IS

APEM SA has developed a new IS version for a car part manufacturer, who develops and manufactures seats for top-of-the-range cars. This APEM product will be mounted in cars to adjust the electrical seat.

Our customer wanted to have unaggressive outputs (in all cases, especially in case of emergency, including accidents, the switch must not be a danger for occupants). Our solution was to overmould the wired outputs. A specific connector was also added.

The black colour of this soft touch push button was specifically chosen by the final customer.

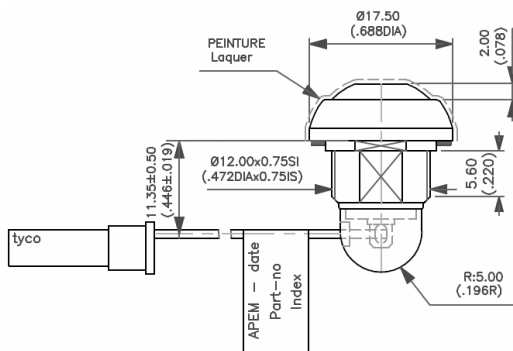
Suggested end-user price: 9 € (1,000 pieces)



Completely sealed IS

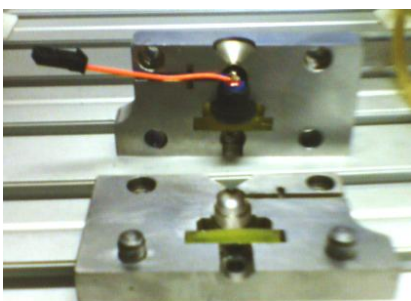
Product Applications

- safety environments
- humid environments
- applications requiring right angle outputs (with a low depth)
- applications requiring a high level of electrical insulation

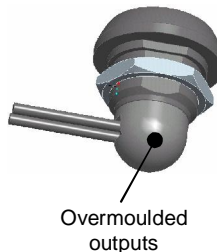


The customer's technical specification demands a radius of curvature higher than 5 mm (to ensure switch safety)

In order to inject the hot melt resin, a specific low-pressure moulding tool was designed by the APEM SA development team. This technology is also used for other product series: IP, 3500, ...



Overmoulding tool for sealed IS (development+manufacturing cost= 2,000 €)



Overmoulded outputs



Overmoulding process



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