

3Sense

MOVE TOUCH PRESS with one Button



HOME APPLIANCES

MOBILITY

The 3SENSE technology enables cost-efficient implementation of innovative product design with unique handling. The great advantage of this technology is that, instead of only one, each switch has three operating options: MOVE, TOUCH, PRESS.

Highlights:

- > New touch technology for next-generation user interface product designs
- > Each key can be assigned with 3 different states - MOVE, TOUCH and PRESS
- > Detection of approach, light touch and firm pressure
- > Easy and cost-efficient realization of sliders, double assignment of buttons or wiping gestures
- > New designs with completely black operating front
- > Versatile product applications such as Black Panel cooker, 2-hand safety operation, door opener, code entry and much more
- > Suitable for operation with gloves
- > Applicable for household appliances, hygiene products, industrial products, e-mobility and in many other industries
- > Optional delivery as complete panel system or as individual components

TECHNICAL DATA

3Sense Technology

Function	3 States in one Button – MOVE TOUCH PRESS
Input Method	Gesture, Touch with finger, Touch with gloves
Adjustable Parameters	Activation Force, Detection of approach
Activation Force	MOVE = - TOUCH = 0,05 N PRESS > 1 N
Detection of approach	50 mm (depending on application, larger distances possible)
Response Time	< 100 ms
Button Size (Min)	18 mm
Button to Button Distance (Min)	20 mm
Operating Voltage	3,3 V -32 V (depending on application)
Temperature range	-20 °C up to 85 °C
CPU	Microcontroller (depending on the application)
Interfaces	Digital Output, I2C, UART, SPI others on request
Software	3Sense Basic Software

Subject to change

CONTACT



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