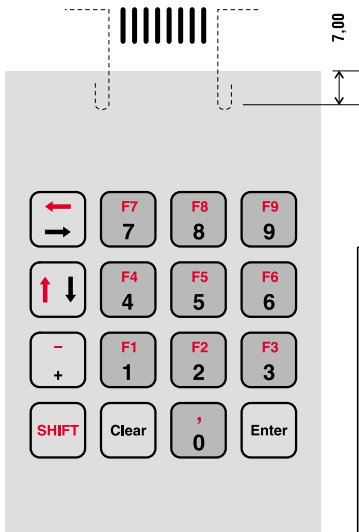


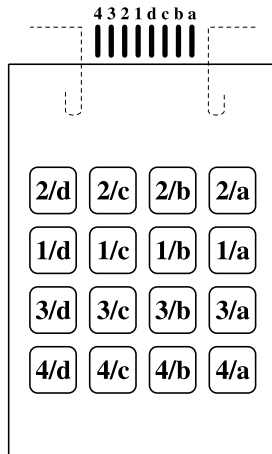
STANDARD MEMBRANE SWITCHES

TS 523 6154

Membrane switch:

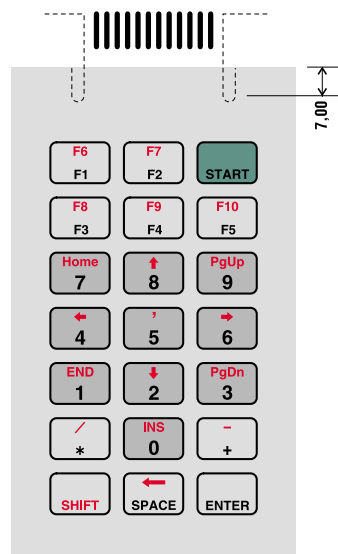


Switch pinout:

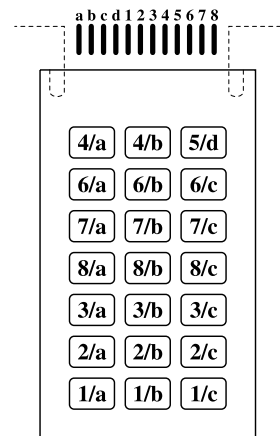


TS 523 6155

Membrane switch:



Switch pinout:



Specification:

Number of keys	16
Key pitch	15.5 mm
Embossing	rim embossing
Overall dimensions	69.5 x 101.9 mm
Flex-tail length	100 mm
Number of flex-tail traces	8
Flex-tail termination	pins (standard)
Number of colours	4

Mechanical characteristics:

Tactile response	metal dome
Actuation force	3 - 4 N
Life cycle	> 10 ⁶ cycles
Storage temperature	-40 / +80 °C
Operating temperature	-25 / +80 °C
Ingress protection	IP 65

Electrical characteristics:

Max. operating voltage	25 V DC
Max. operating current	25 mA DC
Contact resistance	approx. 1 Ω/cm of trace
Insulation resistance	10 ⁷ Ω min.

Termination options:	pins (standard) female contacts ZIF connectors (pitch:2.54, 1.27, 1.00 mm)
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Colours:	light grey (background, keys) dark grey (numeric keys) red (SHIFT, upper-case characters) black (lower-case characters, rims)
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Note:

Characters, colours, flex-tail length and termination can be modified for an extra charge.

Specification:

Number of keys	21
Key pitch h/v	18/13.5 mm
Embossing	rim embossing
Overall dimensions	69.5 x 119.4 mm
Flex-tail length	100 mm
Number of flex-tail traces	12
Flex-tail termination	pins (standard)
Number of colours	5

Mechanical characteristics:

Tactile response	metal dome
Actuation force	3 - 4 N
Life cycle	> 10 ⁶ cycles
Storage temperature	-40 / +80 °C
Operating temperature	-25 / +80 °C
Ingress protection	IP 65

Electrical characteristics:

Max. operating voltage	25 V DC
Max. operating current	25 mA DC
Contact resistance	approx. 1 Ω/cm of trace
Insulation resistance	10 ⁷ Ω min.

Termination options:	pins (standard) female contacts ZIF connectors (pitch:2.54, 1.27, 1.00 mm)
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Colours:	light grey (background, keys) dark grey (numeric keys) green (START key) red (SHIFT, upper-case characters) black (lower-case characters, rims)
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Note:

Characters, colours, flex-tail length and termination can be modified for an extra charge.