## Thumbwheel switches

### Electrical characteristics
- Assigned working voltage: 0.1 → 50 V~
- Nominal load current: 0.1 → 100 mA
- Max. non-switchable current: 1 A
- Max. internal resistance: 200 m Ω
- Min. insulation resistance: $10^5$ M Ω

### Mechanical characteristics
- Electrical durability (operations): $10^6$
- Vibration resistance: 2000/10 according to NFC 20616

### Environmental characteristics
- Ambient operating temperature: -25 + 70°C
- Ambient storage temperature: -40 + 85°C

### Standard codes

<table>
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<tr>
<th>Circuits</th>
<th>Case</th>
<th>Wheels</th>
<th>Circuit dimensions (H x L) mm</th>
<th>Weight g</th>
</tr>
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<tbody>
<tr>
<td>Output layout</td>
<td>A</td>
<td>Position on printed circuit</td>
<td>4.5 x 2.8</td>
<td>5.5</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Dial setting</td>
<td></td>
<td></td>
</tr>
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</table>

### Features
- Miniature, starwheel

### Types
- Compatible with display module
- Front mounting

### Circuit codes
- Standard 10-position module

### Standard codes
- Decimal: M 01
- BCD: M 02

### Output layout
- For 84 214 only

### Mounting accessories
- Pair of end caps (with clips) Grey JE/G
- Spacer Grey MI/G
- Separator module Grey MS/G

### Connectors
- Solder terminals W2
- Wire-wrap terminals with lugs X2
- Wire-wrap terminals without lugs X2
- For soldering to printed circuit X3

### Mechanical characteristics
- Operating force: N
- Digit dimensions (H x L) mm
- Weight: g

### Dimensions
- 84 210 0

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**Other information**

For other versions, codes, colours, cases, wheels: please consult us.
To order, specify:

1. Type
2. Code
3. Connections
4. Accessories
5. Connectors

Example: Selector switch 84 210 0 M 01 C G N S - accessories 79 211 709 - connector 25 625 494

* n = number of modules
J = clearance: 1 mm for 1 ≤ n ≤ 10
1.5 mm for 11 ≤ n ≤ 20

Standard products, non stocked

Panel cut-out

Panel thickness

Connector dimensions

Output

Pitch 2 for decimal
Pitch 5 for BCD