The EOZ ECO keypads are suited to all indoor applications including data-entry systems, remote controls, telephone, point of sales terminals or alarm systems. The ECO range of low-cost, flush-mount keypads are rugged, economical devices available in 12-key telephone style and 16-key hexadecimal II layouts.

MOUNTING
Mounting is from the back of a panel using fixed studs. Protection degree of the keypad is IP 40 (front side).

CONTACTS
To ensure integrity of contacts and lower switch ratings, the contacts are gilded and external connection to the keypad is by means of a pin header on the back. The electrical keypad circuit can be supplied in a choice of either matrix or common point configuration.

KEYS
The keys are made of polycarbonate.

MARKING
Standard markings are hot stamped. On request, customized symbols and markings are available.

ELECTRICAL CHARACTERISTICS
- Operating voltage / current
  - Nominal 24V, 20 mA
  - Maximum voltage 24 V
  - Minimum voltage 500 mV
  - Minimum current 10 mA
- Isolation resistance ≥1000 MΩ at 100 VDC
- Contact resistance ≤200 Ω
- Electrical life 1 Million cycles of operation per key
- Electrostatic breakdown value 5 kV
- Switch rating 0.5 W

MECHANICAL CHARACTERISTICS
- Actuating force 1.2N ±35%
- Actuating travel 1.4 MM ±0.1N
- Rebound time ≤2 ms

ENVIRONMENTAL CONDITIONS
- Storage temperature -40°C ... +65°C
- Operating temperature -20°C ... +60°C

MATERIAL
- Keys Polycarbonate (PC)
- Housing Polycarbonate (PC)
- Contacts Carbon / Gold

APPROVALS
- Declaration of conformity
  - CE
  - RoHS
We reserve the right to modify technical data.

STANDARD PART NUMBERS

<table>
<thead>
<tr>
<th>Numbers of the keys</th>
<th>Marking</th>
<th>Circuit</th>
<th>Référence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keypad</td>
<td>12</td>
<td>Telephone</td>
<td>ECO.12100.06</td>
</tr>
<tr>
<td>Keys for indoor use</td>
<td></td>
<td>PC</td>
<td>ECO.12150.06</td>
</tr>
<tr>
<td>Front protection IP40</td>
<td></td>
<td>M</td>
<td>ECO.16200.06</td>
</tr>
<tr>
<td>Key cap = plastic white</td>
<td></td>
<td>PC</td>
<td>ECO.16250.06</td>
</tr>
<tr>
<td>Terminal = Pin header</td>
<td></td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

Circuit PC = Common Point, M = Matrix
Packaging of 10 pcs

12 keys

DIMENSIONS

16 keys

CONNECTION for 12 keys

16 keys

CONNECTION for 16 keys

Contact us at:
Email: contact@eozonline.com
site: www.eozonline.com

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