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ECO-16250.06

EN

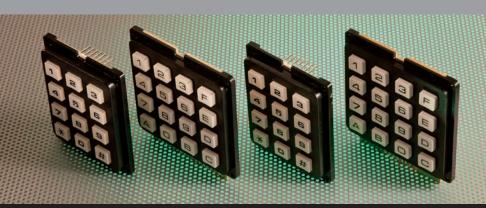
This Datasheet is presented by the manufacturer

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FR

Cette fiche technique est présentée par le fabricant



EAO Product Information

ECO

Keypads ECO



ECO

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Description

Product Information

General notes

The EAO 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 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.

We reserve the right to modify technical data All dimensions in mm

Keypads ECO

Keypad





	Front protection	Terminals	Key cap	No. of keys	Marking	Circuit			Component layout	Technical drawing	(8 7)
Keypad	IP 40	PH	Plastic white	16	Hexadecimal II	Р	ECO.16200.06		2	2	0.024
Keys for indoor use						М	ECO.16250.06		2	2	0.024
				12	Telephone	Р		ECO.12100.06	1	1	0.020
						М		ECO.12150.06	1	1	0.020

Packaging of 10 pcs. Terminals: PH = Pin header

Circuit: P = Common point, M = Matrix

Component layout from page 6, Technical drawing from page 6

Technical Data ECO

Keypad

Material

Keys

Polycarbonate (PC)

Housing

Polycarbonate (PC)

Contacts

Carbon/Gold

Mechanical characteristics

Actuating force

1.2 N ±35 %

Actuating travel

1.4 mm ±0.1 N

Rebound time

≤2 ms

Marking height

3.5 mm

Electrical characteristics

Operating voltage/-current

Nominal 24 V, 20 mA Maximum voltage 24 V Minimum voltage 500 mV Minimum current 10 mA

Contact resistance

<200 Ω of electric circuit

Isolation resistance

>1000 $\mbox{M}\Omega$ at 100 VDC

Life time

>1 Million cycles operation per key at nominal break rating

Switch rating

0.5 W

ESD-protection

5 kV

Environmental conditions

Storage temperature

-40 °C ... +65 °C

Operating temperature

-20 °C ... +60 °C

Approvals

Declaration of conformity

CE

Component layout

1 Keypad page 4

Matrix XY

Common point



Connection by female connector HE 14 (not supplied)

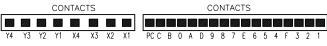
PC = Common point

Y1 1 2 3 Y2 4 5 6 Y3 7 8 9 Y4 * 0 #

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Matrix XY

Common point



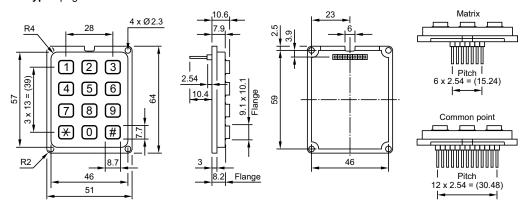
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Connection by female connector HE 14 (not supplied)

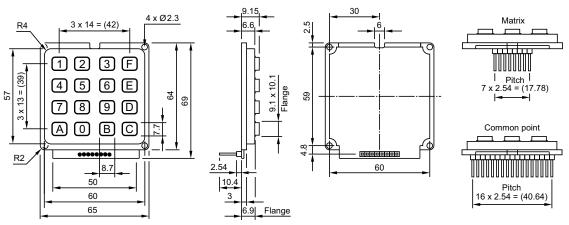


Technical drawing

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Tannwaldstrasse 88 4601 Olten, Switzerland info@eao.com E-mail Website www.eao.com Austria +49 201 85 87 0 +49 201 85 87 210 sales.ede@eao.com Phone Fax E-mail **Belgium** +32 3 777 82 36 +32 3 777 84 19 Phone Fax E-mail sales.ebl@eao.com China +852 27 86 91 41 +852 27 86 95 61 Phone Fax E-mail sales.ehk@eao.com France +33 1 64 43 37 37 +33 1 64 43 37 49 Phone Fax E-mail sales.ese@eao.com Germany +49 201 85 87 0 +49 201 85 87 210 Phone Fax E-mail sales.ede@eao.com Italy +39 035 481 0189 +39 035 481 3786 Phone Fax E-mail sales.eit@eao.com **Japan** +81 3 5444 5411 +81 3 5444 0345 Phone Fax E-mail sales.esj@eao.com Netherlands +31 78 653 17 00 +31 78 653 17 99 Phone Fax E-mail sales.enl@eao.com Sweden +46 8 683 86 60 +46 8 724 29 12 Phone E-mail sales.esw@eao.com **Switzerland** +41 62 388 95 00 Phone Fax +41 62 388 95 55 E-mail sales.ech@eao.com United Kingdom +44 1444 236 000 +44 1444 236 641 Phone Fax E-mail sales.euk@eao.com USA +1 203 877 4577 +1 203 877 3694 sales.eus@eao.com Phone Fax E-mail Other Countries +41 62 286 92 10 +41 62 296 21 62 Phone

E-mail | info@eao.com









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