Absolute Encoders
DynaCompte

ø 90 mm

Modular absolute multiturn encoder.
Low cost, easy to mount.
Without maintenance (no contact, no wear).

SOEM15-0216S001

SOEM15-0216S001 (assembly example)

Mechanical features	
Cover	Chromated steel
Hub	Aluminum
Rotation speed max.	6000tr.min^{-1}
Shaft inertia	90g.cm^{2}
Protection	IP65 (mounted)
Weight	250g
Radial misalignment max.	0,2mm
Axial misalignment max.	+/- 0,5mm

Ordering reference

SOEM15-0216S001

Mechanical characteristics

Storage temperature:	-20°C/+80°C
Operating temperature:	-20°C/+70°C
Shock resistance:	30g durant 11ms
Vibrations resistance:	10g de 10 à 500Hz

Supply – Output signals

Supply voltage :	11-30V
Consumption :	60mA under 24V
Turn counting range:	65536 turns
Angular measure :	90°
Number of count per turn :	4
Offset between 2 steps:	max. 22,5°
Max frequency:	19 kBauds
Counting direction :	CCW open side

BEI SENSORS

BEI Sensors SAS
Espace Européen de l'Entreprise
9, rue de Copenhague
B.P. 70044 Schiltigheim
F 67013 Strasbourg Cedex

Tél : +33 (0)3 88 20 80 80
Fax : +33 (0)3 88 27 87
Mail : info@beisensors.com
Web : www.beisensors.com

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CE

Output signals

Asynchronous serial protocol RS422 BEI Sensors

1	0	1	0	1	0	x	x
h							l

First byte + b1 – b0

x	x	x	x	x	x	x	x
h							l

Turn byte b15 – b8

x	x	x	x	x	x	x	x
h							l

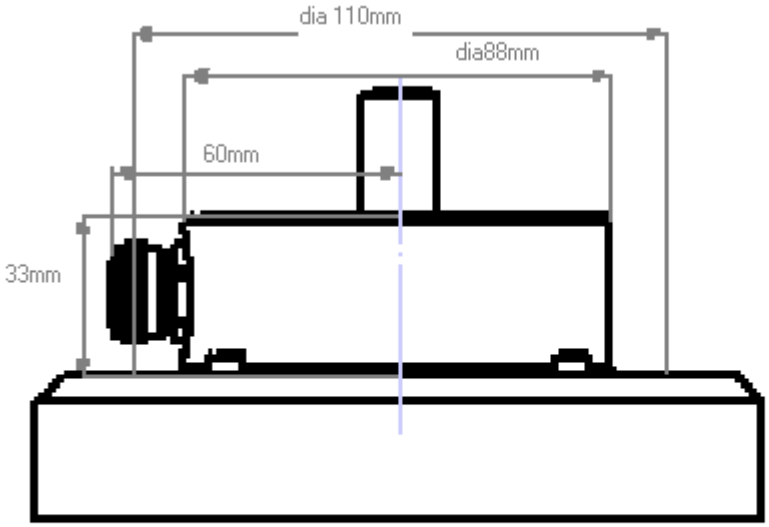
Byte b7 – b0

Installation instructions

Cable connection on board with terminal box.

Put the Switch « ON » before mounting the encoder.
Do not power the encoder when the shaft is turning.

Dimensions (mm)



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Tél : +33 (0)3 88 20 80 80
Fax : +33 (0)3 88 20 87 87
Mail : info@beisensors.com
Web : www.beisensors.com

Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA

CONTACT US

Regional head offices:

United States of America
Sensata Technologies
Attleboro, MA
Phone: 508-236-3800
E-mail: support@sensata.com

Netherlands
Sensata Technologies Holland B.V.
Hengelo
Phone: +31 74 357 8000
E-mail: support@sensata.com

China
Sensata Technologies China Co., Ltd.
Shanghai
Phone: +8621 2306 1500
E-mail: support@sensata.com