

Incremental encoder

Hollow shaft encoder series for industrial applications with high mechanical resistance requirements. Those encoders are designed to support high radial and axial shaft load and they can be mounted with flanges or servo-fasteners.

- Resolution up to 10,000 ppr with zero for EL series, up to 1024 ppr for EH series.
- Several output types available.
- Up to 28 Vdc input voltage for EL series and up to 24 Vdc for EH series.
- Up to 300 kHz frequency response for EL series and up to 100 kHz for EH series



Ordering code

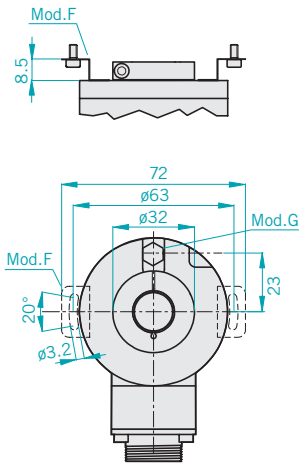
Full stop to separate special versions.

EL	63	G	1000	Z	5/28	N	8	X	3	M	R	.	XXX
Incremental encoder series EL													Special version code numbered from 001 to 999
Incremental encoder series EH													
Body dimension 58													
Body dimension 63													
mod.EH-EL58F / EH-EL63F		F											
mod.EH-EL58G / EH-EL63G		G											
mod.EH-EL63P		P											
mod.EH-EL63PB		PB											
mod.EH-EL63GB		GB											
mod.EH-EL63FB		FB											
mod.EH-EL63PC		PC											
mod.EH-EL63PBF		PBF											
mod.EH-EL63PCF		PCF											
from 1 to 10000 PPR series EH/EL58F/G-EL63F/G													
from 1 to 2048 PPR series EH63P/PB/GB/FB/PC/PBF/PCF													
from 40 to 1024 PPR series EH58F/G-EH63F/G													
Please, directly contact our offices for pulses availability													
Zero pulse													
without zero pulse		S											
with zero pulse		Z											
Input voltage													
input voltage EL					5 ÷ 28								
input voltage EH					5 / 8 ÷ 24								
LINE DRIVER available only with input voltage 5 Vdc: 8 ÷ 24 Vdc													
R radial													
A axial (only for EH-EL58-63F/G)													
P cable output (standard length 0.3 m)													
M connector MS3106E 16S-1S or 18-1S for EH-EL58-63F/G													
J connector JMSP 1607 F or 1610 for EH-EL58-63F/G													
R.P.M.													
3 3000													
Enclosure rating													
X standard IP54													
S IP66 (only for EH-EL58-63F/G)													
Bore diameter													
8 ø 8 mm													
9 ø 9,52 mm (3/8")													
10 ø 10 mm													
12 ø 12 mm													
14 ø 14 mm													
15 ø 15 mm													
Output types													
N NPN													
C NPN OPEN COLLECTOR													
P PUSH PULL													
L LINE DRIVER													
For optionals about output types please refer to incremental outputs section													

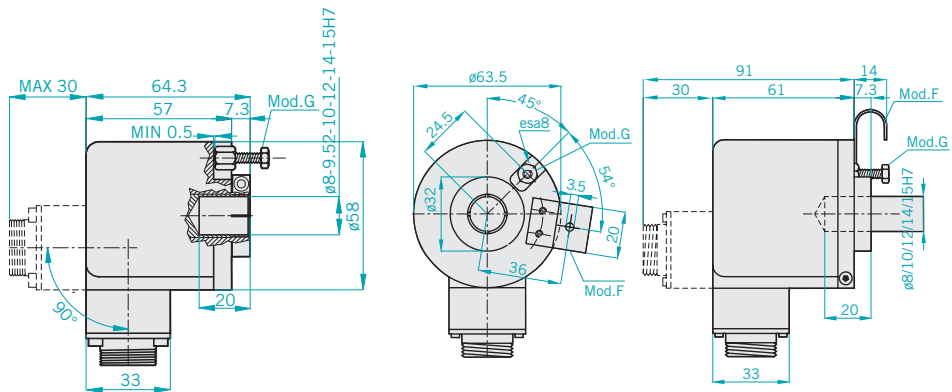
EH-EL58F/G EH-EL63F/G/FB/GB

Blind hollow shaft encoder

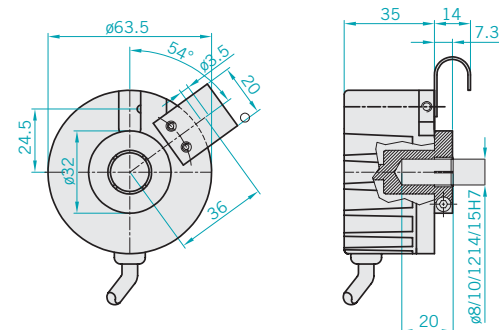
EH-EL 58 F/G



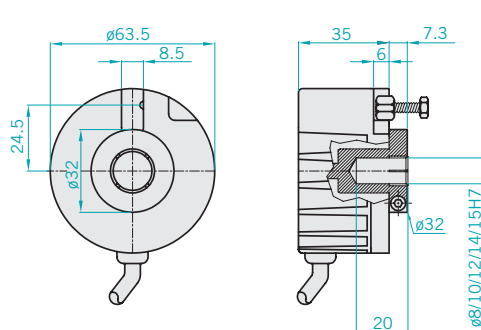
EH-EL 63 F/G



EL 63 FB



EL 63 GB



HOW TO MOUNT THE EH-EL63F

- 1) Couple the encoder shaft with the motor shaft
- 2) Fix the spring at the motor flanges without screwing it
- 3) Fix the encoder shaft by the metal gear.
- 4) Block the spring

HOW TO MOUNT THE EH-EL63G

- 1) Mount the antirotation pin on the motor flange.
- 2) Couple the encoder shaft with the motor shaft, ensuring that the pin is inserted on the cave on the encoder front part (maintaining a minimum distance of 0,5 mm)
- 3) Fix the encoder shaft by the metal ring



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hollow shaft INCREMENTAL ENCODERS

EH-EL58/63
EH-EL58F/G/ EH-EL63F/G/FB/GB

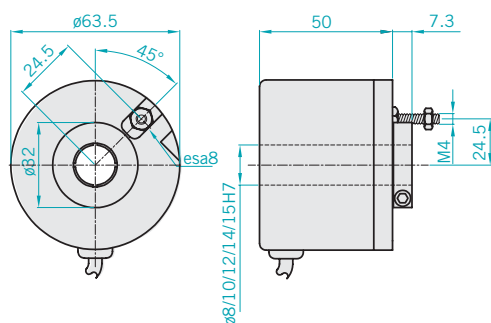


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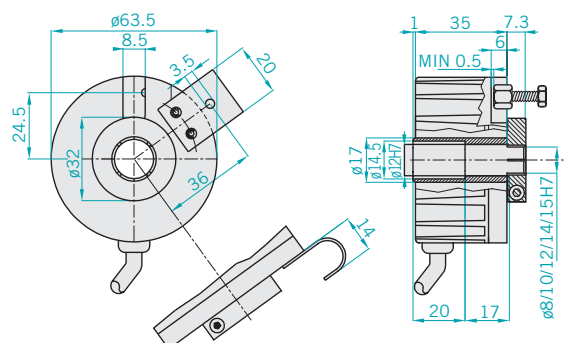
EH-EL63P/PB/PBF/PC/PCF

Through hollow shaft encoder

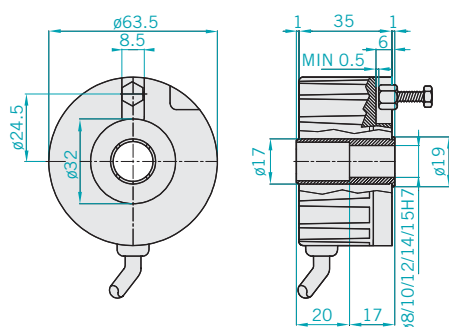
EL 63 P



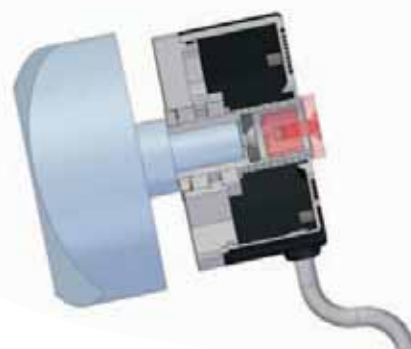
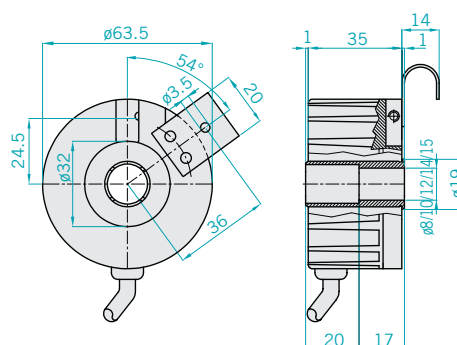
EL 63 PB / PBF



EL 63 PC



EL 63 PCF



HOW TO MOUNT THE EH-EL63P

- 1) Mount the antirotation pin on the motor flange.
- 2) Couple the encoder shaft with the motor shaft, ensuring that the pin is inserted on the cave on the encoder front part (maintaining a minimum distance of 0,5 mm)
- 3) Fix encoder packed shaft with the motor shaft. Insert the washer at the extremity of the encoder shaft.