CD60 absolute output - Measurement range 0 up to 1500 mm

Specifications:

Measurement range	0 up to 1500 mm
Sensing device	Absolute encoder (PHM5 or MHM5 series)
Supply	10 - 30Vdc (MHM5) 5 - 30Vdc (PHM5)
Interface	SSI Profibus CANopen DeviceNet
Resolution	13 bits = 8192steps/turns
Distance per turns	150 mm 152,4 mm
Material	Body and cover - aluminium (RohS) Measuring cable – Stainless steel
Cable diameter	0,60 mm
Connection	Male connector M23 – 12 pin CW Male connector M23 – 12 pin CCW Terminal box
Standard linearity	+/- 0,05% f.s. +/- 0,01% f.s. (optional)
Protection class	IP64
Max. Velocity	10 m/s
Max. Acceleration	20 m/s² (before cable deformation)
Weight	≈ 1000 g
Operating temperature	-20° to +85°C
Storage temperature	-40° to +85°C

Cable forces:

Measurement range in mm	Min. pull-out force	Max. pull-out force
1500	≈ 9,00 N	≈ 12,00 N

Ordering reference:

CD60						OP	

Model

CD60

Measurement range

1500 = 0 to 1500 mm
(Other ranges available on demand)

Distance per turns

150 = 150 mm
152 = 152,4 mm

Interface

SSI/1 = MHM5 Serial transmission (SSI)
SSI/2 = PHM5 Serial transmission (SSI)
PROF = MHM5 Profibus transmission
CAN = MHM5 CANopen transmission
DEV = MHM5 DeviceNet transmission

Linearity

L05 = +/- 0.05% f.s.
L01 = +/- 0.01% f.s. (optional)

Connection

H3P = Terminal box (only for MHM5 Profibus and CANopen)
0CC = Terminal box (only for MHM5 DeviceNet)
PRL = 12 pins M23 connector - counter-clockwise (only on MHM5 SSI)
S6R = 12 pins M23 connector - clockwise (only on PHM5 SSI)
S8R = 12 pins M23 connector - counter-clockwise (only on PHM5 SSI)

OP options

AC = Complete anodizing
BR = Cleaning brush for the cable
CP = Fixing of the measuring cable with a clevis
EM = Fixing of the measuring cable with a clip
EN = Measuring cable coated with polyamide
M4 = Fixing of the measuring cable with a M4 threaded rod
TEV = Water evacuation holes

Reference example: CD60-1500-152-PROF-L05-H3P-OP-AC-EM

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Electrical characteristics :

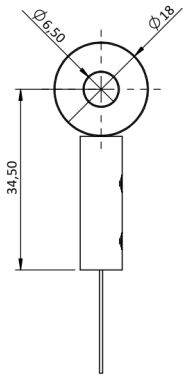
Please refer to the encoder data sheet.

Options :

Cable attachment with a lug :

Standard

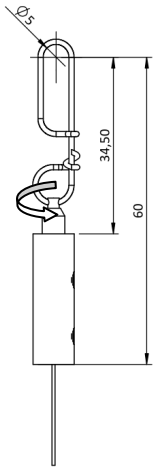
The attachment lug is fixed with a M6 screw or a clevis.



Cable attachment with a clip :

OP-EM

This fastening system allows a rotation about its axis.
The clip is fixed with a M4 screw or a clevis.

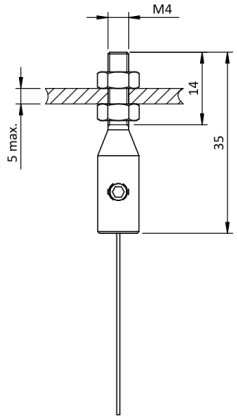


Cable attachment fitted with a M4 threaded rod:

OP-M4

The rod attachment uses a threaded rod with 2 nuts (provided).
The required thickness of the plate does not exceed 5 mm.

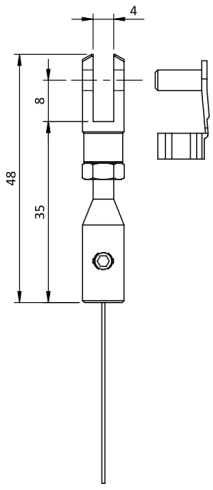
Caution
Never screw the threaded rod into a fixed nut, a twist of the measurement cable would damage it.



Cable attachment with a clevis :

OP-CP

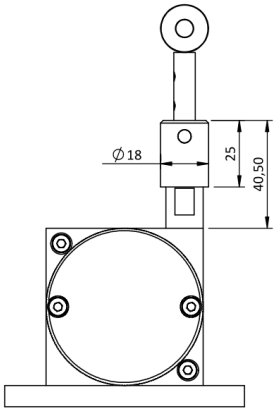
The attachment of the clevis is done using a pin (provided).



Cable cleaning brush:

OP-BR

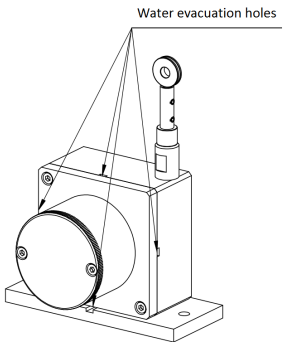
The cleaning brush wipes the cable in dusty or humid environments.



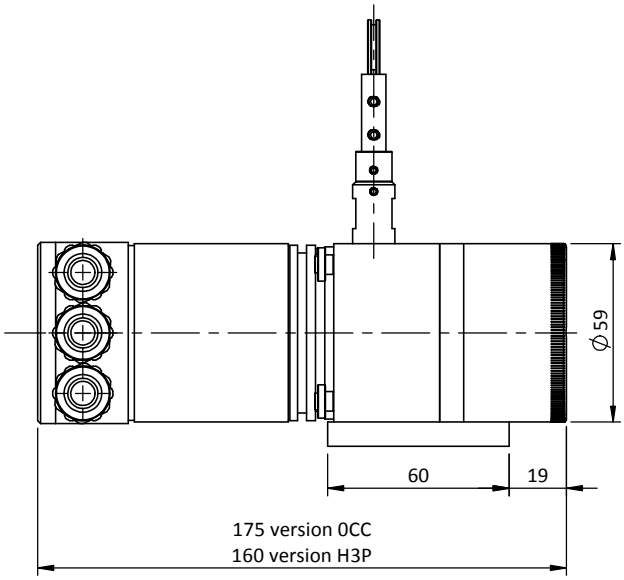
Water evacuation holes:

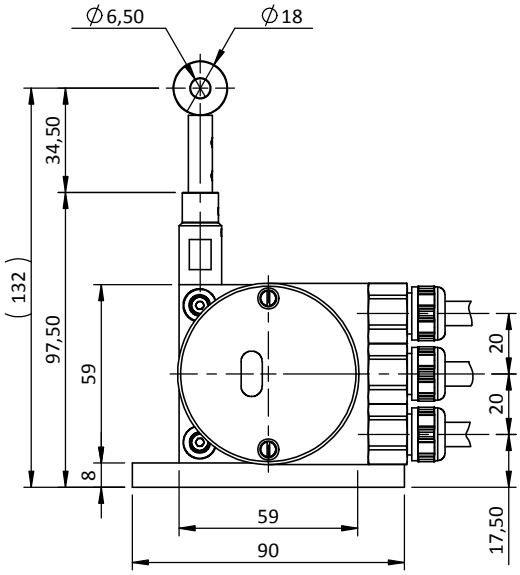
OP-TEV

The holes allow the natural flow of fluids out of the sensor in order to avoid their accumulation in the system.

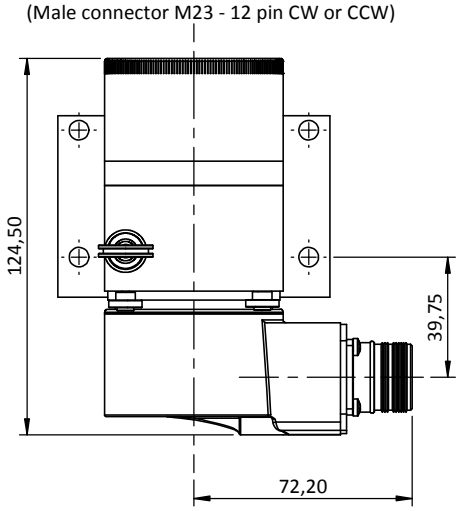


Dimensional Drawing

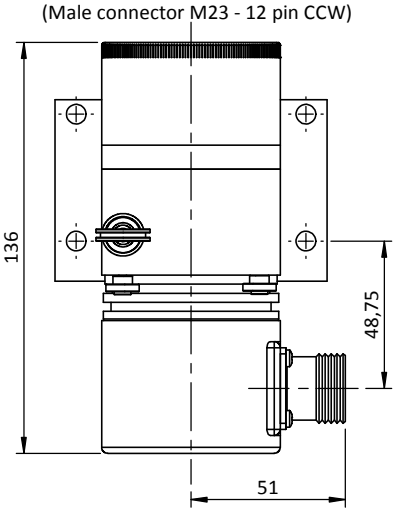




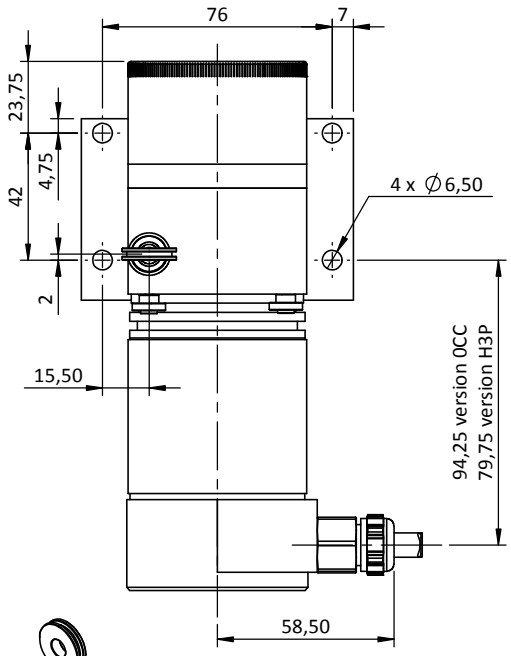
With PHM5 - SSI encoder
S6R or S8R connection
(Male connector M23 - 12 pin CW or CCW)

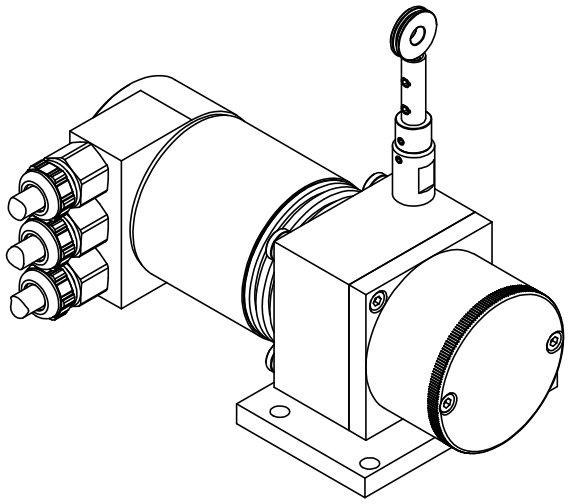


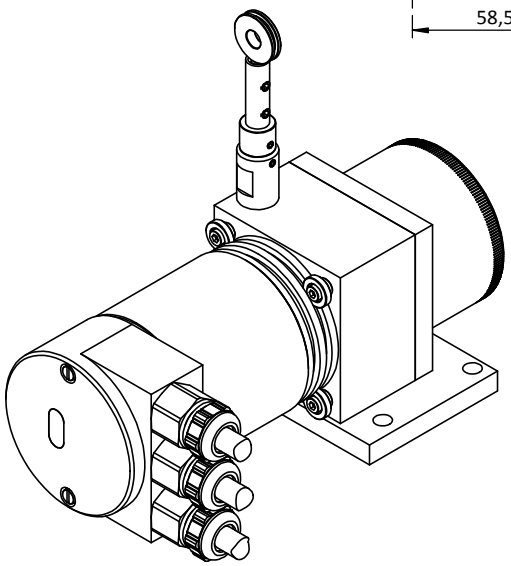
With MHM5 - SSI encoder
PRL connection
(Male connector M23 - 12 pin CCW)



With MHM5 - PROF/CANO/DNET encoder
0CC or H3P connection
(Terminal box)







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