

PROJECT PLANNING SHEET



Electric Actuator EA

Customer data

Company:

Processed by:

Technical consultant:

Date:

Purchasing consultant:

Project name:

Project plan

Quantity: _____

Period: _____

System data

Drive type: ☐ Ball screw

Stroke length X [mm]: _____

Operating data

Cycles/hour: _____

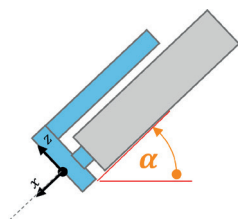
Hours/day: _____

Days/year: _____

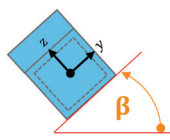
Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper timer etc.))

Path Nr.	Travel distance [mm]	Positioning t_{pos} [s]	v_{max} [m/s]	a_{max} [m/s ²]	Break t_{pause} [s]	Description of the operation or non-productive times
1						
2						
3						
4						
5						

Electric actuators positioning in space



Angle A: _____ °



Angle B: _____ °

View: Front view
(looking at the piston tube or flange plate from the front)

Moving Mass:

$m =$ _____ [kg]

Centre of gravity of the moving mass m:

$x_m =$ _____ [mm]

$y_m =$ _____ [mm]

$z_m =$ _____ [mm]

External forces:

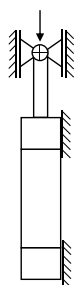
$F_x =$ _____ [N]

$F_y =$ _____ [N]

$F_z =$ _____ [N]

Attachment variants

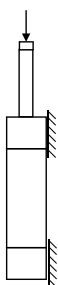
Variant 1: ☐



Axially guided load

EA firmly installed

Variant 2: ☐



Non-axially guided load

EA firmly installed

Variant 3: ☐



Axially guided load

EA swivel mounted

Force transmission point:

$x_F =$ _____ [mm]

$y_F =$ _____ [mm]

$z_F =$ _____ [mm]

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Options									
Piston tube extension:	_____ mm								
Slide guide:	☐ 1 Slide guide					☐ 2 Slide guides			
Position of the slide guide:	☐ ANNN (Above)		☐ BNNN (Below)		☐ LNNN (Left)		☐ RNNN (Right)		
	☐ ABNN (Above and below)		☐ LRNN (Left and right)		☐ ARNN (Above and right)				
	☐ ALNN (Above and left)		☐ BRNN (Below and right)		☐ BLNN (Below and left)				
Flange plate:	☐ Standard					☐ Special			
Limit switch:	☐ N = Without limit switch								
	☐ A = 1 × Contact, 300 mm cable, plug								
	☐ B = 2 × Contacts, 300 mm cable, plug								
	☐ C = 1 × Contact, 2 m open cable end								
	☐ D = 2 × Contacts, 2 m open cable end								
Drive interface:	☐ Without interface								
	☐ Direct motor mounting		☐ S1			☐ S2			
	☐ Belt drive	☐ R	☐ L	☐ A	☐ B	☐ i = 1,0	☐ i = 1,5	☐ S	☐ N

Application (Sector, machine, application, ambient conditions, sketch)

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Accessories	
☐ HIWIN servo motor	Break ☐ With motor brake ☐ Without motor brake Encoder ☐ 23 bit absolute singleturn ☐ 23 bit absolute multiturn
☐ HIWIN servo drive	Interface ☐ EtherCAT CoE ☐ PROFINET ☐ Step-direction/+-10V ☐ _____
☐ Motor cable	☐ 3m ☐ 5m ☐ 10m ☐ _____
☐ Encoder cable	☐ 3m ☐ 5m ☐ 10m ☐ _____
☐ Extension cable for limit switches	☐ 3m ☐ 5m ☐ 7m ☐ 10m ☐ 15m
☐ Further cables	☐ USB parameterisation cable ☐ E/A-cable ☐ STO-cable, 3 m
☐ Mains filter	
☐ T nuts	Quantity: _____ PU (10 pcs.)
☐ Clamping profiles	Quantity: _____ PU (4 pcs.)
☐ Centering sleeve	Quantity: _____ PU (10 pcs.)
☐ Connection brackets set	Quantity: _____
☐ Connection plates set	Quantity: _____
☐ Plate for swivel adapter set	Quantity: _____
☐ Swivel bearing set	Quantity: _____
☐ Pivot bearing set	Quantity: _____
☐ Bearing block set	Quantity: _____
☐ Spacer plate clamping profiles	Quantity: _____
☐ Flange plate set	Quantity: _____
☐ Threaded adapter set	Quantity: _____
☐ Pivot head	Quantity: _____
☐ Clevis	Quantity: _____
☐ Compensating coupling	Quantity: _____
☐ Adapter plate set threaded bolt	Quantity: _____