Articulated robots

Compact single-axis robots

TRANSERVO Single-axis robots

FLIP-X Linear motor single-axis robots

XY-X SCARA robots

YK-X Pick & place robots

YP-X CLEANCONTROLLERINFORMATION

Linear conveyor modules

LCM100

Cable length

Battery

Allowable overhang

Static loading moment

Motor 56 [Step motor]

Resolution (Pose/resolution) 7.9/0.02

Deceleration mechanism Ball screw Z12 (Class C10)

Maximum payload (kg) Vertical 4 12 20

Max. pressing force (N) Horizontal 50 ± 1000 (500/1000)

Overall length Stroke=288

Maximum outside dimension of body cross-section (mm) W68×H64

Note 1. Positioning repeatability in one direction.

Note 2. When the stroke is longer than 600mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program (note 1). Note 3. It is necessary to change the maximum speed according to the payload. For details, see the "Speed vs. payload" graph shown below. Note. Position detectors (resolvers) are common to incremental and absolute specifications.

If the controller has a backup function then it will be absolute specifications.

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