**Ordering method**

**F8LH**

- Model: SF
- Controller: SR-X100
- Driver: Power-supply voltage - DC 200V or less
- Regenerative unit: None

**Specifications**

- **AC servo motor output (W):** 100
- **Repeatability (mm):** ±0.01
- **Deceleration mechanism:** Ball screw ∅15
- **Ball screw lead (mm):** 20, 10, 6
- **Maximum speed (mm/sec):** 1200, 600, 300
- **Rated thrust (N):** 84, 169, 339
- **Rated thrust (N/m):** 0.1, 0.2, 0.3
- **Stroke (mm):** 150 to 1050 (50mm pitch)
- **Overall length (mm):** Horizontal - 368
- **Max. dimensions of cross section of main unit (mm):** W80 × H65
- **Cable length (m):** Standard: 3.5 / Option: 5,10
- **Position detector:** Resolvers
- **Resolution (Pulse/Rotation):** 16384

**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 by referring to the maximum speeds shown in the table below.

**Note 3:** Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

**Note 4:** Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

**Allowable overhang**

- **Horizontal installation (mm):** A10, B10, C10
- **Wall installation (mm):** A10, B10, C10

**Static loading moment**

- **Lead 20:** 100
- **Lead 10:** 50
- **Lead 5:** 25

**Note 5:** 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 by referring to the maximum speeds shown in the table above.