

Sectional door - SPU F42

Application – Internal / External

Material – Galvanized steel

Standard & certification:

Providing and fixing of double skin Sectional door SPU F42 as per EN Standard. Slats Door made of double-skinned, PU-foamed steel sections of 42 mm cross section, 100 % CFC-free & made of hot galvanized steel. Door section heights of 625 or 750 mm. Performance characteristics in accordance to EN 13241-1. EN 12424 Resistance to wind: Class 3. EN 12426 Air permeability: Class 2 (without wicket door). EN 13241 Thermal insulation $U = 1.0 \text{ W/m}^2\text{K}$ (without wicket door). EN 717-1 Acoustic rating: $R = 25 \text{ dB}$

Sectional Door:

Frame shall be enclosed, moulded angle frame, made of hot galvanized steel with safety track, secured with screws. For application below 3500mm height VU track shall be used and for higher heights H,N type track to be provided. Space of 300mm shall be provided on the motor side and 150mm on the bearing side of the door. The door shall be counter balanced by coated torsion springs, with carrying cables on the side. Safety feature shall include manually operated door using a torsion spring with approved catch safety device and finger trap protection inside and outside as per DIN EN 12604. Sensor controlled safety devices to monitor the bottom edge of the door, instant stoppage and reversing on encountering any obstruction while closing.

Operator & control panel

Complete ready-to-fit shaft operator with cable slack device. Power input (Single-phase current: 230V) with a protection IP rating of 65. Electronic absolute encoder (AWG) for determining the door position shall be provided. Microprocessor control in separate housing with Open-stop-Close membrane push button integrated in housing, miniature lock, adjustable force limit. Self-monitoring closing edge safety device (SKS) with opt sensors. Connecting cable with CEE male plug in protection category IP44. Emergency hand chain to be provided in case of power failure.

Paint Finish:

Door leaf shall be polyester-primer coated Grey white exterior and interior, based on RAL 9002. Frame and glazing made of anodized aluminium extrusions with a natural finish in accordance with DIN 17611. All further steel parts manufactured from hot galvanized steel.

Space requirement:

Minimum head room shall be N track - 440mm, H track - 880mm and VU track (Door Height + 350) based on door sizes, including motor side 300mm and bearing side 150mm.