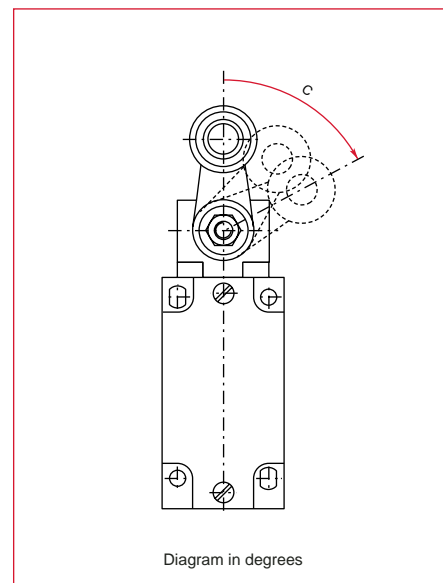
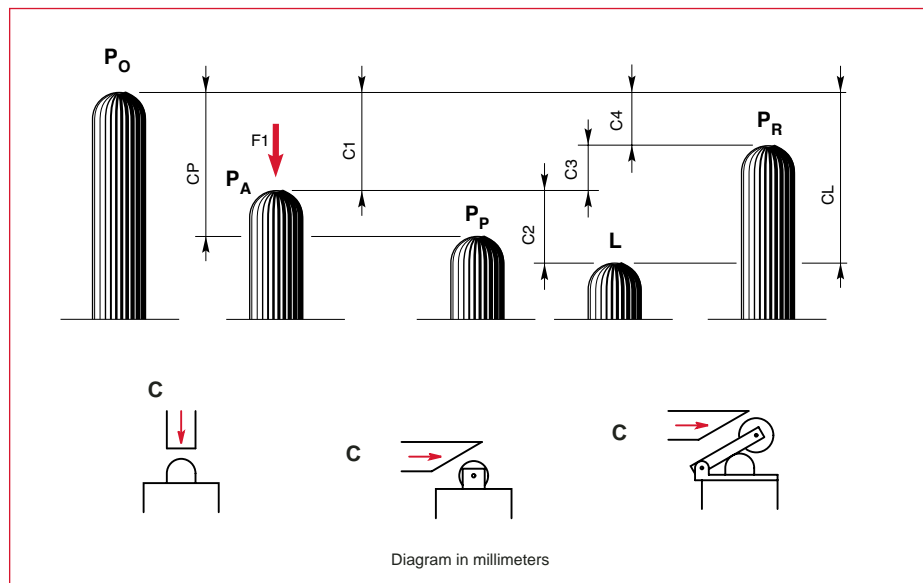


Technical data

Travel and operation diagrams

Plastic
Limit switches



9

P₀ Free position

Position of the switch actuator when no external force is exerted on it.

P_A Operating position

Position of the switch actuator, under the effect of force F₁, when the contacts leave their initial free position.

P_P Positive opening position

Position of the switch actuator from which positive opening is ensured.

L Max. travel position

Maximum acceptable travel position of the switch actuator under the effect of a force F₁.

P_R Release position

Position of the switch actuator when the contacts return to their initial free position.

C₁ Pre-travel

Distance between the free position P₀ and the operating position P_A.

C_P Positive opening travel

Minimum travel of the switch actuator, from the free position, to ensure positive opening operation of the normally closed contact.

C₂ Over-travel

Distance between the operating position P_A and the max. travel position L.

C_L Max. travel

Distance between the free position P₀ and the max. travel position L.

C₃ Differential travel (C₁-C₄)

Travel difference of the switch actuator between the operating position P_A and the release position P_R.

C₄ Release travel

Distance between the release position P_R and the free position P₀.

Diagram for snap action contacts:

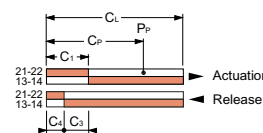
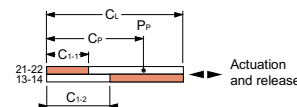


Diagram for non-overlapping slow action contacts:



Note: for slow action contacts, C₃ = 0, C₁₋₁ = pre-travel of contact 21-22, C₁₋₂ = pre-travel of contact 13-14.

Examples:

LS45M13B11
(snap action contacts)

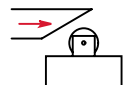
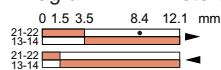


Diagram in millimeters/cam travel



LS45M41B11
(snap action contacts)

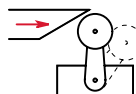
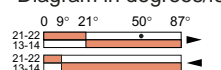


Diagram in degrees/lever rotation



LS45M11D11
(non-overlapping slow action contacts)

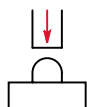


Diagram in millimeters/plunger travel

