

V12 Series General Purpose Micro Switches

Robust and quickly installed, these standard-size, changeover, snap-action switches meet many requirements in domestic appliances, office equipment and factory machines.



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Plunger actuator



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Wedge-shaped internally-pivoted cam following actuator



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Normal action plain lever actuator



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Normal action lever with free-running roller

Construction

Mechanism

Single-pole, snap-action, changeover, with a coil spring energy store. Contacts: Silver (moving), silver cadmium (fixed).

Enclosure

Phenolic case and lid mouldings.

Actuators

Moulded plunger or wedge shaped, internally pivoted cam follower. Stainless steel levers, with or without free-running plastic roller.

Terminals

Down-pointing, brass 6.3 mm quick connect tabs.

Electrical Ratings

Ratings in the following table are in amperes and are recommended maxima. The abbreviations NO and NC refer to the normally open and normally closed terminals.

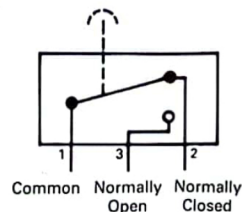
Voltage	Resistive Load	Tungsten Lamp Load		Inductive Load
		NC	NO	
AC				
125	15	3	1.5	15
250	15	2.5	1.5	15
380	10			5
480	5			4
DC				
Upto 15	15	3	1.5	10
30	5	3	1.5	5
50	1	0.8	0.8	0.5
75	0.75	0.6	0.6	0.3
125	0.5	0.5	0.5	0.05
250	0.25	0.25	0.25	0.03

Installation and Service

Mounting

By side-mounting holes using two M3.5 or #6 screws.

Diagram of Connections



Environmental Data

The terminals are exposed and should be protected after installation. The mechanism is enclosed to IP40 standard. The recommended continuous working temperature limits are -10° and $+85^{\circ}\text{C}$.

Service

Check regularly for cleanliness and wear.

Approvals

All models in the series are approved by BEAB. Additionally the plunger and cam-following actuated models have UL and CSA approvals. SEMKO has approved the plunger actuated model.

Cross References

K5 series higher rated double-break switches – see opposite and pages 157-158. TPS series door actuated assemblies using V12 switches – pages 73 and 193-194.

