



SIGNEXT® CHM

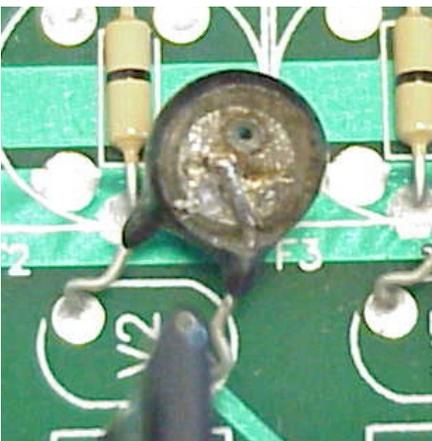
The SIGNEXT® - CHM (Component Holder Module) is very descriptively named – it holds components! It is very compact and uses push-in terminations for quick and easy installation of components and wires. Described below are just some of the applications for this module.



MOV's are often added to control circuits to provide overvoltage/transient protection. Since MOV's breakdown and eventually fail as a result of the transients they are eliminating they should be readily accessible for inspection (they often change colour, expand and sometimes explode with age/exposure to transients) and replacement.

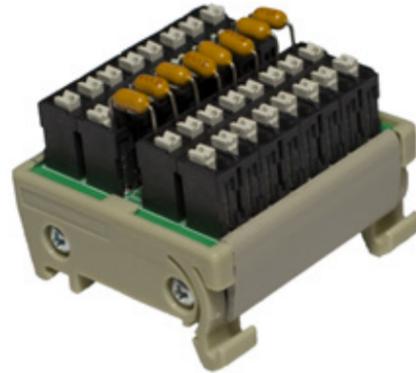


The photo to the left show's what happens to MOV's when they are exposed to repeated voltage transients. The body of the MOV expands and if the device is a lighter colour they also discolour.



Eventually the MOV fails – often quite dramatically. Here the MOV has actually exploded.

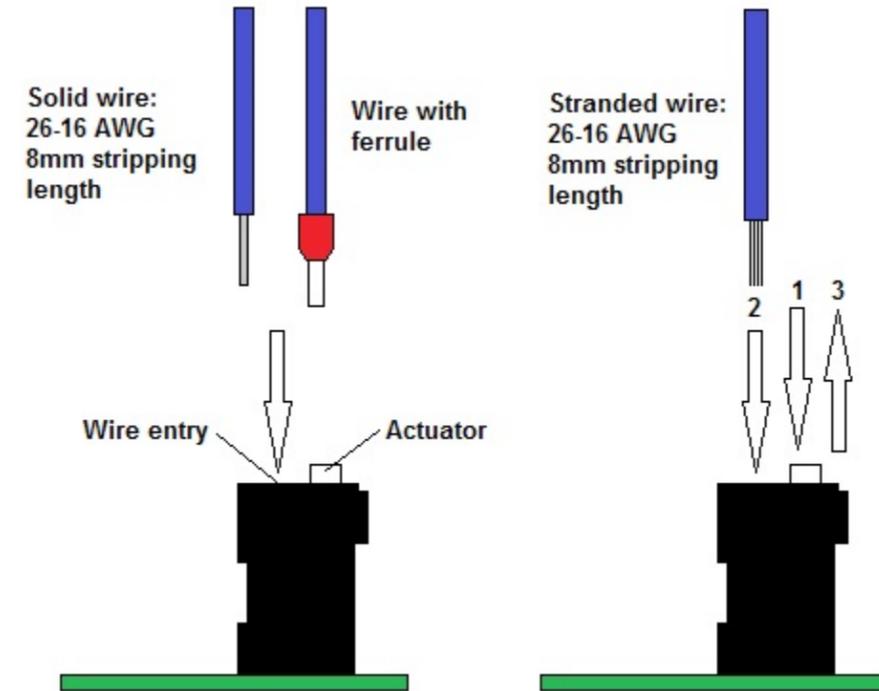
Because of the behaviour of MOV's it is best to install them in locations where they can be easily inspected and replaced – the SIGNEXT® - CHM is ideal for this.



Here the SIGNEXT® - CHM has 8 pico fuses installed. This allows 8 fuses in 45mm of DIN rail space or just 5.6mm per fuse. This could be a good way to retrofit fusing in to existing control cabinets where DIN rail space is very limited.



An alternative to the pico fuse is the electronic fuse from Raychem and others. These devices provide very fast protection from overcurrents and do not have to be replaced like a traditional fuse.



Solid wires, component leads and wires with ferrules push directly in to the terminal without the need to operate the actuator. For stranded wires the actuator must be operated. To remove the wire or component lead press down on the actuator, remove wire/lead, release actuator.

