



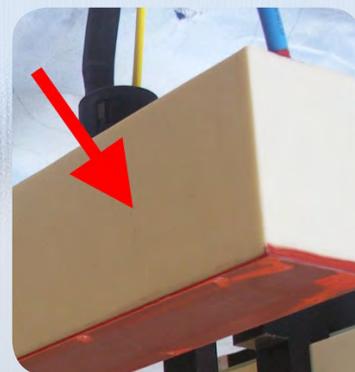
MAKING THE TRIED-AND-TESTED BETTER: SOUCURE I INDUCTOR WITH NEW CASTING COMPOUND

Plastic parts, such as inductor housings, are subject to influences that are difficult to simulate in laboratory tests. In particular, the sheer number of different solvents makes it virtually impossible to assess what happens when they condense. The Soudronic development team has liaised closely with lacquer manufacturers and plastic technologists to come up with a more resistant casting compound.

By themselves, chemical and mechanical resistance are not enough to assess a plastic's suitability for specific applications. But the other factors that can have an effect on their behavior, such as temperature, pressure, stress, the effects of chemical substances, and specific design features can only be evaluated in long-term fatigue tests. With the new epoxy-based casting compound it is possible to use a larger range of solvents without affecting the mechanical properties of the housing surface, as proven in extensive laboratory and practical tests. The increase in thermal conductivity also translates into a reduction in the temperature rise of the ferrite core.



Previous inductor model
(black surface)



New inductor model
(beige surface)

ADVANTAGES

- Higher resistance to external factors such as temperature, pressure, stress, and the effect of chemical substances.
- Greater choice of solvents suitable for the lacquer.
- Improved heat dissipation.

AVAILABILITY

Backward compatibility guaranteed.

Technology that keeps you ahead

Soudronic

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