

Press Release for release – March 2015

For Editors



## Interested in a smaller safety relay? - SIS3

High Speed Train Engineers need look no further. American Electronic Components Inc. (AEC – [www.aecsensors.com](http://www.aecsensors.com)) present the **smallest forcibly guided (safety) relays** currently available on the market: **Elesta Relays SIS3 series** – with category III protection over voltage.

Bruce Finke, Vice President Sales & Marketing at AEC commented “Fully compliant with DIN standard EN 50205 type ‘A’, the tiny SIS212 relay measures just 29.2 x 16.6 x 16.5mm. It is a forcibly guided PCB safety relay with three contacts.”



Two of the contacts are configured as 2NO (normally open) and the other as 1NC (normally closed). The contact nearest the coil is the normally closed contact and is mostly used for control functions or feedback purposes. Further from the coil, the 2 NO contacts are used for the output or load. All contacts are designed for a nominal switching capacity of 250Vac at 6A (AC-1) and the contact material is well-proven AgCuNi + 0.2-0.4µm Au, permitting reliable switching of small control signals of a few mW, to a maximum of 1500VA.

A safe electrical separation exists between control and output side. Coil and control contacts are separated from the two output contacts by double and reinforced insulation, with clearance and creepage distances > 8mm.

“At AEC we can provide all common coil voltages between 5 VDC and 110 VDC, with standard 0.6W or sensitive 0.4W coils.” continued Finke.

Elesta are the world’s foremost manufacturer of high quality forcibly guided relays, designed for public protection. Typical application areas for SIS3 relays include sensor technology, photoelectric cells, light curtains, foot mats, railways and frequency changers.

AEC offers the full line of Elesta forcibly guided contact safety relays which comprise 24 separate relay series, capable of switching currents from 3mA to 16A and can offer up to 10 contacts in a single relay. All Elesta Relays are RoHs compliant and carry UL, cUL and TÜV approvals.

“With demand for smaller components constantly increasing, the SIS3 series is unquestionably an apt and popular choice. Elesta relays should be considered wherever people or property must be protected and where a monitored contact is required.” Concluded Finke.

Please refer to our website for additional product details and contact us at [sales@aecsensors.com](mailto:sales@aecsensors.com) if samples or prompt technical support are required: <http://www.aecsensors.com/html/vmchk/Forcibly-Guided-Safety/View-allproducts.html>

**ENDS**

### About American Electronic Components Incorporated

AEC is a leader in the design and manufacture of specialized electrical and electronic components primarily for automotive and industrial applications. Our product line includes position sensors, G-force sensors, acceleration switches, DURAKOOL relays, inclination sensors & switches and HERMASEAL glass to metal seals. Our creative engineering team has extensive experience in harsh environmental packaging concepts. We use high-quality products and are positioned to support your most challenging applications. AEC are ISO 9001 quality certified.

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