

Press information

More safety with a yet higher performance capacity:
the new „SGR 282 Z“ of ELESTA relays for extreme applications



The SGR 282 Z of ELESTA relays GmbH, CH-7310 Bad Ragaz is one of the most widely used safety relays with 2 forcibly guided change-over contacts according to EN 50205 and has been improved decisively.

Firstly, sensitive coils up to 110 V DC with a coil power consumption of approx. 700 mW are available with immediate effect. In comparison with the standard type, therefore, the power consumption is reduced by about 30 %.

Secondly, the insulation between the contact assemblies has been increased. The air gap and tracking distance between the two pairs of contacts are now more than 5.5 mm at a tested insulation voltage of 4000 Veff, compared with 2500 Veff so far. Additionally, the switching capacity has been increased by approx. 50 % to 1500 VA (6 A at 250 V AC in the load case AC-1).

With air gaps and tracking distances of more than 14 mm between coil and contact side the SGR 282 Z offers the highest insulation values of this category of relays, which makes it also suitable for EEx applications. Thanks to its enhanced switching load data and the higher insulation properties the relay's application range is extended substantially and many new applications can be covered.