

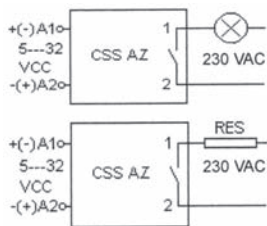
**IRC series**  
**CSS-AZ**  
**4-pin, Interface solid state relay, 1-pole, plug-in faston**

<b>Type</b>	<b>CSS-AZ</b> Solid state relay For switching ohmic and capacitive AC loads Synchronized to zero
<b>Output</b> <b>Operating range</b> <b>Minimum contact load</b>	<b>1 N/O contact</b> <b>3 A, 24 ... 250 VAC, 50/60 Hz</b> <b>50 mA</b>
<b>Control parameters</b>	Input voltage range 5 ... 32 VDC Release voltage < 2,5 VDC Input current 5 ... 15 mA Stabilised current regulator yes Input voltage protection IEC-1000-4-5 Level 1

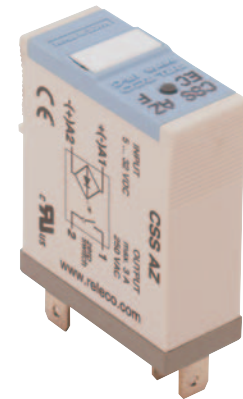
<b>Output</b>	
Max. output current	3 A
Min. output current	50 mA
Output voltage range	24 ... 250 VDC
Max. output voltage	24 VDC
Max. release voltage	< 1,5 VAC
Reststrom	≤ 0,55 mA
du/dt//di/dt	≤ 50 A μs
I <sup>2</sup> t value	50 A <sup>2</sup> s

<b>Specifications</b>	
Ambient temperature operation/storage	-40 (no ice)...60 °C /-40 ... 80 °C
Test voltage between input/output	4 kV rms/1min
Pick-up time	max. 1/2 cycle
Release time	2 ms + 1/2 cycle
Weight	28 g

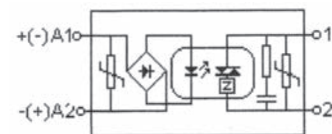
**Applications**  
 Switches ohmic AC loads up to 3 A/250 VAC in the zero-point of the tension and avoids any overcurrent peak in the connection.  
 Suitable for switching resistors, incandescent lamps, signalling equipment, etc. Not suitable for inductive loads



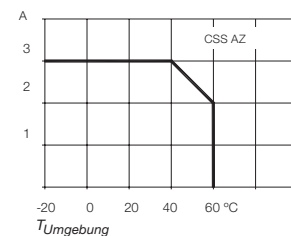
**Accessories**  
 Socket: **S10, S10-M, S10-K, S10-P**



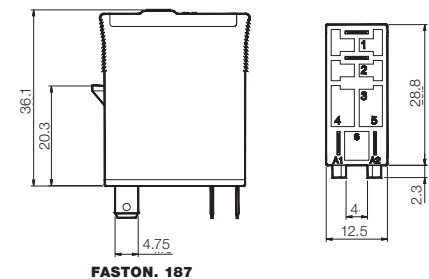
**Fig. 1 CSS-AZ diagram**



**Tab. 2 AC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**





**Kühn Controls AG**

**Notes:**

You want more information about this product, please call us: tel: +49 (0)7082-940000 or send us a fax: +49 (0)7082-940001, or email: [sales@kuehn-controls.de](mailto:sales@kuehn-controls.de) or visit our Website: [www.kuehn-controls.de](http://www.kuehn-controls.de)