

IRC series

CSS-AC

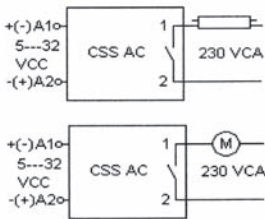
4-pin, Interface solid state relay, 1-pole, plug-in faston

Type	CSS-AC Solid state relay For switching ohmic and inductive AC loads Instantaneous
Output Operating range Minimum contact load	1 N/O contact 3 A, 24 ... 250 VAC, 50/60 Hz 50 mA
Control parameters	
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

Output, calibrated to zero	
Max. output current	3 A
Min. output current	50 mA
Output voltage range	24 VDC
Max. output voltage	24...250 VAC
Inrush current	20 A/10 ms
Max. release voltage	< 1,5 VAC
Residual current	≤ 0,55 mA
/di/dt	≤ 50 A/μs
I ² t value	50 A ² s

Specifications	
Ambient temperature operation/storage	-25 ... 60 °C / -40 ... 80 °C
Test voltage between input/output	4 kV rms/1min
Pick-up time	max. 1/2 half-wave
Release time	2 ms + 1/2 half-wave
Weight	28 g

Applications
It is specially suitable to switch inductive loads up to 3A/250 VAC.
For switching loads with a high inrush or overcurrent (max. Di/dt 50A/μs) as transformers, motors or fluorescent, the maximum output current will limit to 2 A.



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

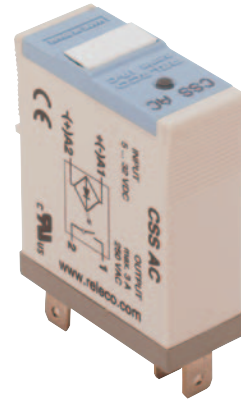
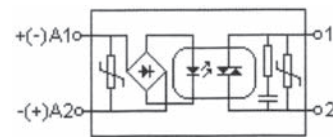
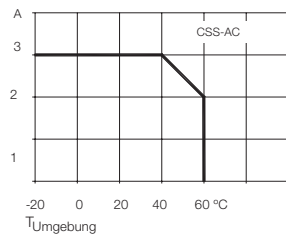


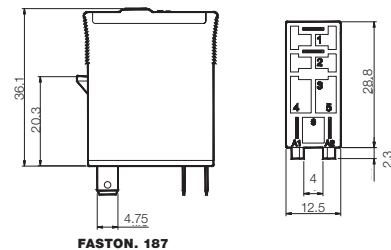
Fig. 1 CSS-AC diagram



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 or visit our Website: www.kuehn-controls.de