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

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Type	**CSS-AC**
	Solid state relay
	For switching resistive and inductive AC loads
	Instantaneous

Output	**1 N/O contact**
Operating range	**3 A, 24 ... 250 VAC, 50/60 Hz**
Minimum contact load	**50 mA**

Control circuit

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
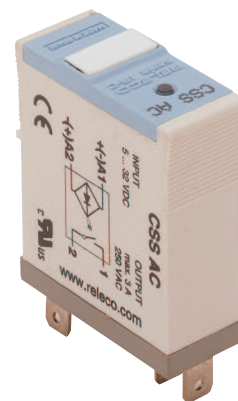
Output circuit

|	
	Instantaneous
Max. output current	3 A
Min. output current	50 mA
Output voltage range	24...250 VAC
Inrush current	30 A/10 ms
Max. release voltage	< 1,5 VAC
Residual current	≤ 0,55 mA
di/dt	≤ 50 A µs
I^2t value	50 A^2s

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 wave
Release time	2 ms + 1/2 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 fluorescents, the maximum output current will limit to 2 A.
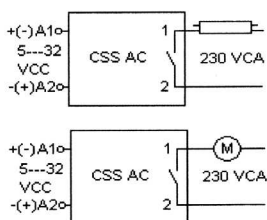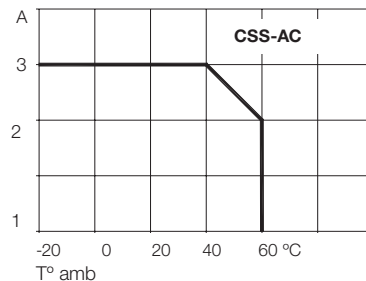

Accessories
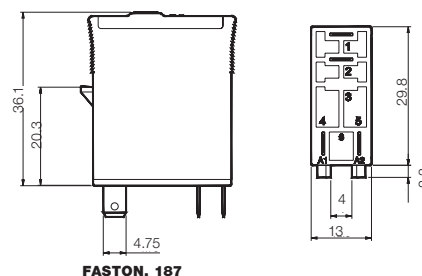Socket: **S10, S10-M, S10-K, S10-P**

Fig. 1 CSS-AC diagram
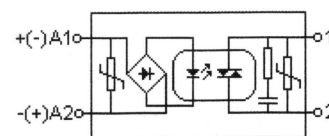
Tab. 2 AC load limit curve

Dimensions [mm]

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Technical approvals, conformities