

CSS-AC

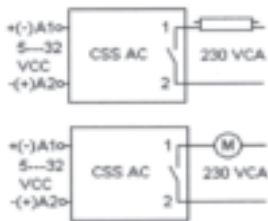
4-pin, Interface solid state relay, 1-pole, plug-in faston



|                                       |                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| Type                                  | CSS-AC<br>Solid state relay<br>For switching resistive and inductive AC loads<br>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                                                                                      |
| I²t value                             | 50 A²s                                                                                         |
| 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-P

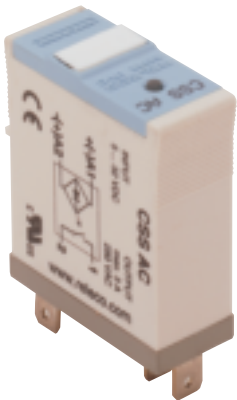
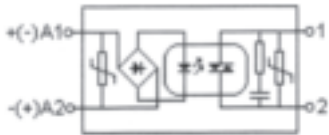
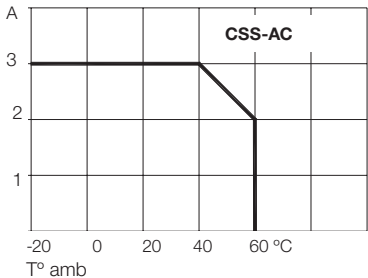


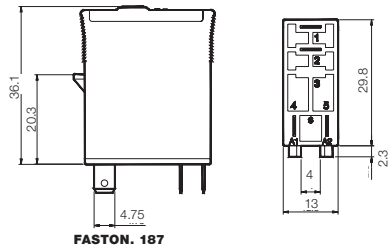
Fig. 1 CSS-AC diagram



Tab. 2 AC load limit curve



Dimensions [mm]



Technical approvals, conformities

