

IRC series  
CSS-DCN

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



|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Type                                  | CSS-DCN<br>NPN solid state relay<br>Terminal commun 2 negative (S10 socket) |
| Output                                | 1 N/O contact                                                               |
| Operating range                       | 2 A, 5 ... 50 VDC                                                           |
| Minimum contact load                  | 1 mA                                                                        |
| Control parameters                    |                                                                             |
| Input voltage range                   | 5 ... 32 VDC                                                                |
| Release voltage                       | < 2,5 VDC                                                                   |
| Input current                         | 3 ± 1 mA                                                                    |
| Stabilised current regulator          | yes                                                                         |
| Input voltage protection              | IEC-1000-4-5 Level 1                                                        |
| Output                                |                                                                             |
| Type                                  | NPN                                                                         |
| Max. output current                   | 2 A                                                                         |
| Output voltage range                  | 5 ... 50 VDC                                                                |
| Switch-on current max.                | 5 A/ 350µs                                                                  |
| Max. release voltage                  | ≤ 1,3 VDC                                                                   |
| Residual current                      | < 100 µA/48 VDC                                                             |
| EMC protection                        | IEC-1000-4-5 Level 1                                                        |
| Inverse current                       | ≤ 1 A                                                                       |
| Specifications                        |                                                                             |
| Ambient temperature operation/storage | -25 ... 60 °C/-40 ... 80 °C                                                 |
| Test voltage between input/output     | 4 kV rms/1 min.                                                             |
| Turn-on delay                         | 1 ms                                                                        |
| Release delay                         | ≤ 2 ms                                                                      |
| Weight                                | 28 g                                                                        |

Applications

For switching heating elements, electro valves, motors, PLC input/output signals, solenoids, incandescent and fluorescent lamps, etc. (up to 50 VDC).

Inductive loads must be shunted with an antiparallel diode.



Accessories

Socket: S10, S10-M, S10-P

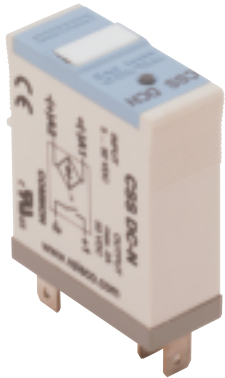
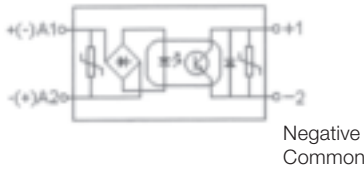
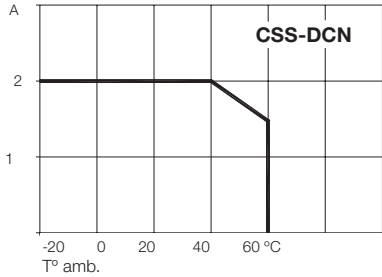


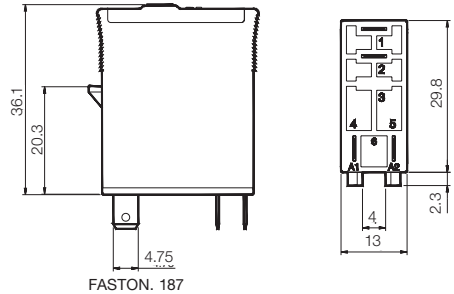
Fig. 1 CSS-DCN diagram



Tab. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

