


1.5 Solid State Relays

CSS-N

1 pole | normally open solid state DC | Faston

Main circuit

Output type	 MOSFET
Type	Instantaneous
Logic	N-Channel
Output voltage range	5 ... 48 V DC
Recommended minimum contact load	1 mA
Residual current	0.1 mA
Maximum voltage drop	≤ 0.14 V DC
Rated current	6 A
Inrush current	40 A, 10 ms
Rated load DC	360 W

Current derating curve versus operation temperature: fig. 2.

Control circuit

Nominal voltage	see table product references
Operating voltage range	5 ... 48 V DC
Input voltage range	4.75 ... 60 V DC
Input current	4 mA
Pick-up voltage	5 V DC
Release voltage	< 4.75 V
Power consumption DC	300 mW

General data

Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-40 ... 70 °C
Pick-up time	0.06 ms
Release time	0.06 ms
Ingress Protection	IP 40
Weight	28 g
Housing material	PA / PC

Product references

Description	Type	5-48
DC	CSS-N13X/DC...V	✓

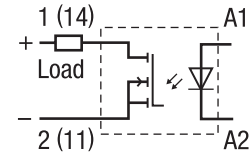
«...» List control voltage to complete product references

Optional Accessories

Socket	S10, S10-P, S10-PI
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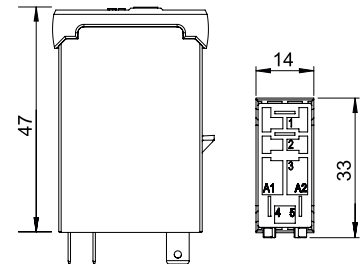
fig. 1. Wiring diagram



Negative common

fig. 2. DC derating curve

fig. 3. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947

Approvals     