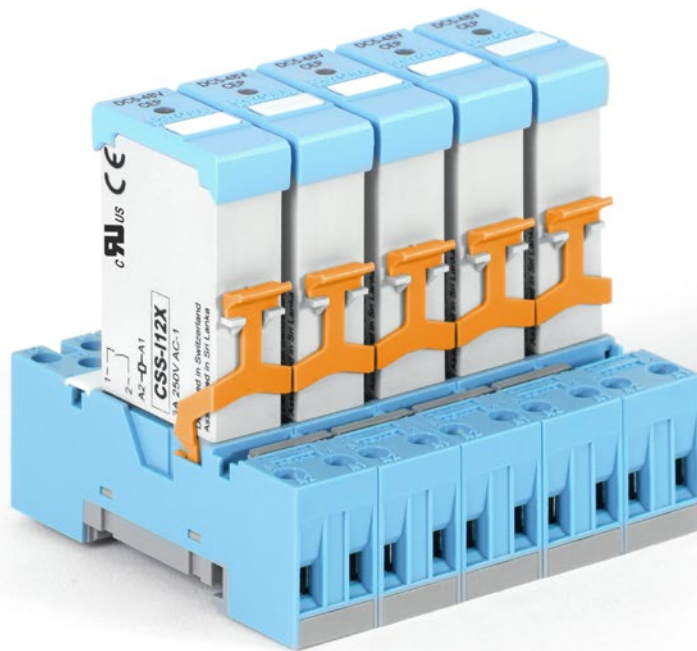


New Solid State Relay

CSS



Solid State Relay CSS

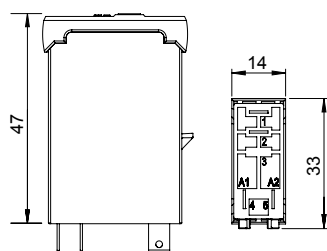
- Long life thanks to non-wearing semiconductor output
- Minimal additional cost in comparison to electromechanical relays
- For frequent and fast switching operations
- Switching current up to 6 A DC or 3 A AC
- Starting current 40 A DC / 150 A AC

Comparison New – Old CSS

New CSS	vs.	Old CSS
5 – 48 V DC	Input voltage range	5 – 32 V DC
6 A @ 5 – 48 V DC 3 A @ 24 – 250 V AC	Max. output current	2 A @ 5 – 48 V DC 3 A @ 24 – 250 V AC
-40...+70 °C (-40...+158 °F)	Temperature range	-25...+60 °C (-25...+140 °F)
40 A DC / 10 ms 150 A AC / 10 ms	Max. switch-on current	5 A DC / 350 µs 30 A AC / 10 ms
210 A²s	I²t value (AC version)	50 A²s

Technical data	CSS-P13X CSS-N13X	CSS-I12X CSS-Z12X
Contact type	NO (MOSFET)	NO (TRIAC)
Number of contacts	1	
Switching current	DC 6 A	AC 3 A
Switching voltage	DC 5 ... 48 V	AC 24 ... 250 V
Frequency	DC < 1 kHz	50/60 Hz
Minimal load	1 mA	35 mA
Inrush current (10 ms)	40 A	150 A
Leakage current max.	0.1 mA	1 mA
Electrical durability	∞	
Control voltage	DC 5 ... 48 V	
Control current max.	4 mA	10 mA
Power consumption	160 mW	300 mW
Operating temperature	-40°C ... +70°C	

Dimensions



Order code

CSS - P 1 1 X / DC 5-48V	
Type	Control Voltage
CSS	5-48 V
Output	Power supply
P: Interconnectable Pin (2): Positive	DC
N: Interconnectable Pin (2): Negative	Options
I: Instantaneous switching	X : LED
Z: Zero crossing	Semiconductor
Number of contacts	2 : TRIAC
1	3 : MOSFET

Ordering example

Solid State Relay
CSS-P13X/DC5-48V