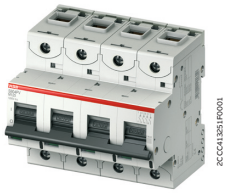
Properties

Special features of S800PV-SP, S800PV-SD

String protection with S800PV-SP

A large proportion of the costs for photovoltaic systems is tied up in the equipment for the DC generation. The S800PV-SP protects these investments in the event of a fault.

Convincing:	Suitable for up to 1500 V DC
Loadable:	String protection up to 125 A
	Reliable protection at high ambient temperatures
Tested:	Rated ultimate short-circuit breaking capacity Icu of 5 kA in accordance with IEC 60947-2 and Annex P
Fast:	Reclosable for minimum standstill times
Safe:	Disconnector properties, switching under load
Flexible:	Extensive range of accessories for remote shutdown and fault signalling



System isolation with S800PV-SD

The use of a DC isolator can be implemented reliably and in the minimum of space. Either you can choose the pole-independent S800PV-SD. The S800PV-SD is available as 2-,3- and 4-pole version up to 1500 V DC.

Convincing:	Suitable for up to 1500 V DC
Loadable:	System isolation up to 125 A
	No change in operating behaviour up to 60°C ambient temperature
	Reliable switching of ohmic loads including moderate overloads
Compact:	Minimum dimensions with maximum efficiency
Tested:	Short-time withstand current Icw of 1.5 kA in accordance with IEC 60947-3
Safe:	Disconnector properties, switching under load

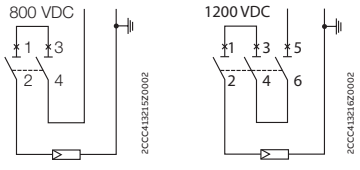
Maximum device voltages

Article	2-pole	3-pole	4-pole
S800PV-SP			
I_e 5 ... 125A	800VDC	1200VDC	1500VDC
S800PV-SD			
I_e 32, 63, 125A	800VDC	1200VDC	1500VDC

ABB recommends to fulfill national and/or international standards as e. g. IEC 61439-1 Low-voltage switchgear and controlgear assemblies

Exemplary circuit diagrams

Earthed network



Non-earthed network