

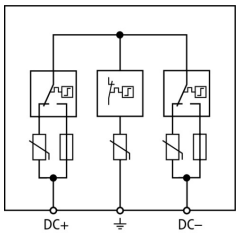


DCU YPV SCI 1000 1M (900 910)

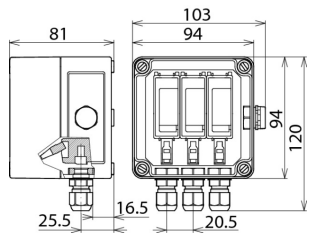
- Prewired multipole surge arrester with IP 65 degree of protection for photovoltaic systems
- Combined disconnection and short-circuiting device with safe electrical isolation in the protection module prevents fire damage caused by d.c. switching arcs (patented SCI principle)
- Easy and fast implementation of surge protection measures since no space is required in a separate insulating enclosure



Figure without obligation



Basic circuit diagram DCU YPV SCI 1000 1M



Dimension drawing DCU YPV SCI 1000 1M

Multipole surge arrester with three-step d.c. switching device for PV inverters with one MPP input.

Type	DCU YPV SCI 1000 1M
Part No.	900 910
SPD according to EN 50539-11	type 2
Max. PV voltage (U <sub>CPV</sub> )	≤ 1000 V
Short-circuit withstand capability (I <sub>SCPV</sub> )	1000 A
Total discharge current (8/20 μs) (I <sub>total</sub> )	40 kA
Nominal discharge current (8/20 μs) [(DC+/DC-) --> PE ] (I <sub>n</sub> )	12.5 kA
Max. discharge current (8/20 μs) [(DC+/DC-) --> PE] (I <sub>max</sub> )	25 kA
Voltage protection level (U <sub>P</sub> )	≤ 4 kV
Voltage protection level at 5 kA (U <sub>P</sub> )	≤ 3.5 kV
Response time (t <sub>A</sub> )	≤ 25 ns
Operating temperature range (T <sub>U</sub> )	-35 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	2.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (max.)	6 mm <sup>2</sup> solid / flexible
Place of installation	outdoor
Degree of protection	IP 65
Type	with pressure compensating element
Cover	transparent cover with product label
Colour of enclosure	grey
Number of cable entries	3x Ø3-7 mm
Enclosure dimensions (w x h x d)	94 x 94 x 81 mm
Approvals	KEMA
Weight	426 g
Customs tariff number	85363030
GTIN	4013364155046
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.