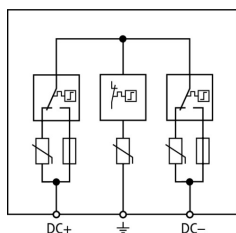


## DCU YPV SCI 1000 1M (900 910)

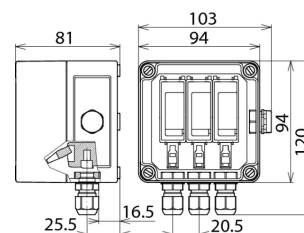
- Prewired multipole surge arrester with IP 65 degree of protection for photovoltaic systems
- Combined disconnection and short-circuiting device with safe electrical isolation in the protection module prevents fire damage caused by d.c. switching arcs (patented SCI principle)
- Easy and fast implementation 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 ( $U_{CPV}$ )	$\leq 1000$ V
Short-circuit withstand capability ( $I_{SCPV}$ )	1000 A
Total discharge current (8/20 $\mu$ s) ( $I_{total}$ )	40 kA
Nominal discharge current (8/20 $\mu$ s) [(DC+/DC-) --> PE] ( $I_n$ )	12.5 kA
Max. discharge current (8/20 $\mu$ s) [(DC+/DC-) --> PE] ( $I_{max}$ )	25 kA
Voltage protection level ( $U_P$ )	$\leq 4$ kV
Voltage protection level at 5 kA ( $U_P$ )	$\leq 3.5$ kV
Response time ( $t_A$ )	$\leq 25$ ns
Operating temperature range ( $T_U$ )	-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 $\varnothing$ 3-7 mm
Enclosure dimensions (w x h x d)	94 x 94 x 81 mm
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.