

# SLP-PV500 V/U

## SPD - for DC and PV / SPD PV type 2 / MOV

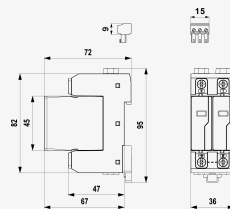
Surge arrester for PV systems (both poles)

pluggable module, visual fault signalling, module locking

- varistor surge arrester in 'U' connection
- for protection of PV systems where the separating spark-over distance is kept or without LPS
- maximum continuous operating voltage for PV application:  $UCPV \geq 1.2x UOC\ STC$



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	PV T2
Mounting	DIN rail 35 mm
Maximum operating voltage mode +/-PE, -/PE	$U_{CPV}$ 510.00 V DC
Short-circuit current rating	$I_{SCPV}$ 10 000 A DC
Residual current mode +/-PE, -/PE	$I_{PE}$ 0.190 mA AC
Residual current mode +/-PE, -/PE	$I_{PE}$ 0.005 mA DC
Total discharge current (8/20 $\mu$ s)	$I_{Total(8/20)}$ 80.00 kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$ 15.00 kA
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$ 40.00 kA
Voltage protection level mode +/-	$U_p$ 4.00 kV
Voltage protection level mode +/-PE, -/PE	$U_p$ 2.00 kV
Response time	$t_a$ 25 ns
Cross-section of connected conductors solid (min)	1.00 mm <sup>2</sup>
Cross-section of connected conductors solid (max)	35.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)	1.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)	25.00 mm <sup>2</sup>
Fault indication	red indication field

Degree of protection	<b>IP 20</b>
Range of ambient temperatures (min/max)	<b>-40 / 80 °C</b>
According to standard	<b>EN 61643-31, IEC 61643-31</b>
ETIM Class	<b>EC000941</b>
Plug module	<b>SLP-PV500U V/0</b>
Customs tariff number	<b>85363030</b>
EAN	<b>8595090536642</b>
Order number	<b>A03664</b>

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