

## General Information

<b>Extended Product Type:</b>	ZK16-PV
<b>Product ID:</b>	1SNK712063R0000
<b>EAN:</b>	3472599002814
<b>Catalog Description:</b>	ZK16-PV PI-Spring clamp Terminal Block - Feed-through - Grey
<b>Long Description:</b>	Specially designed for high voltage utility scale solar power plants: - Rated voltage of 1500 V DC IEC and 1000 V DC UL, - Pre-mounted end section with light grey color specific to this application, - Improved design with ribs to increase creepage distance, - Compact solution only 2 mm thicker than normal product, - No available jumpers for ZK16-PV and ZK16-3P-PV (14 mm spacing).

## Ordering

<b>Color:</b>	Grey
<b>Minimum Order Quantity:</b>	15 piece
<b>Customs Tariff Number:</b>	85369010

## Dimensions

<b>Product Net Width:</b>	14 mm
<b>Product Net Height:</b>	47.5 mm
<b>Product Net Depth / Length:</b>	82.5 mm
<b>Product Net Weight:</b>	36.56 g

## Technical

<b>Rated Cross-Section:</b>	16 mm <sup>2</sup>
<b>Spacing:</b>	14 mm
<b>Connection Type:</b>	PI Spring
<b>Function:</b>	Feed-through
<b>Number of Levels:</b>	1
<b>Connecting Capacity Main Circuit:</b>	Spring Clamp / Flexible 1x 0.5 ... 16 mm <sup>2</sup> Spring Clamp / Rigid 1x 0.5 ... 25 mm <sup>2</sup> Spring Clamp / With Insulated Ferrule 1x 0.5 ... 16 mm <sup>2</sup> Spring Clamp / Without Insulated Ferrule 1x 0.5 ... 16 mm <sup>2</sup> Spring Clamp / With Twin Ferrule 2x 0.5 ... 6 mm <sup>2</sup>
<b>Gauge Type:</b>	A7 & 6.3 mm Dia.
<b>Rated Current (I<sub>n</sub>):</b>	Main Circuit 76 A
<b>Rated Short-time Withstand Current (I<sub>cw</sub>):</b>	for 1 s 1920 A

<b>Rated Voltage (U<sub>r</sub>):</b>	1000 V AC / 1500 V DC
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	8000 V
<b>Dielectric Test Voltage:</b>	2200 V
<b>Pollution Degree:</b>	3
<b>Power Loss:</b>	2.4 W
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
<b>Insulation Material:</b>	Polyamide
<b>Mounting on DIN Rail:</b>	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	Main Circuit 1000 V
<b>Connecting Capacity Main Circuit UL/CSA:</b>	Spring Clamp / Rigid 1x 20 ... 4 AWG Spring Clamp / With Insulated Ferrule 1x 20 ... 6 AWG Spring Clamp / Without Insulated Ferrule 1x 20 ... 6 AWG
<b>Connecting Capacity UL/CSA:</b>	Stranded 4 AWG
<b>Flammability According to UL94:</b>	V0
<b>Short-Circuit Current Rating (SCCR):</b>	100 kA

## Environmental

<b>Ambient Air Temperature:</b>	Operation -55 ... +110 °C Storage -55 ... +110 °C
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	Compliant
<b>RoHS Status:</b>	Following EU Directive 2011/65/EU

## Certificates and Declarations (Document Number)

<b>CB Certificate:</b>	1SND162011A0202
<b>CSA Certificate:</b>	1SND162014A0206
<b>cUL Certificate:</b>	1SND162012A0204
<b>Declaration of Conformity - CE:</b>	1SND225104U1001
<b>EAC Certificate:</b>	1SND162001A1100
<b>Environmental Information:</b>	1SND220072E1002
<b>RoHS Information:</b>	1SND230535F0201

## Classifications

<b>ETIM 4:</b>	EC000897 - Feed-through terminal block
<b>ETIM 5:</b>	EC000897 - Feed-through terminal block

ETIM 6:

EC000897 - Feed-through terminal block

## Container Information

**Package Level 1 Units:** 15 piece

**Package Level 1 Width:** 86 mm

**Package Level 1 Depth / Length:** 250 mm

**Package Level 1 Height:** 51 mm

**Package Level 1 Gross Weight:** 0.563 kg

**Package Level 1 EAN:** 3472599002814

**Package Level 2 Units:** 180 piece

**Package Level 2 Width:** 300 mm

**Package Level 2 Depth / Length:** 400 mm

**Package Level 2 Height:** 200 mm

**Package Level 3 Units:** 8640 piece

**Product Packing Type:** Box

