



## DSP3P-D100 240/415V TNS T1+T2

### Class I + II Distribution Surge/Lightning Protection

#### Description

The Sollatek D100 is a class I & II combined surge protection device. This highly efficient lightning surge arrester is suitable for all installations where risk of surge and spike activity is particularly high, as in telecom installations, oil rigs, and open exposed areas with metal structures.

The unit is a 4-pole device that provides 25kA (class I, 10/350 $\mu$ s) protection per pole and up to 30kA per pole for every day surge activity (class II, 8/20 $\mu$ s).

It is housed in a compact 35mm din rail mount enclosure.

The Sollatek DSP3P-D100 is the ideal solution for protecting all sensitive electronic equipment.



DSP3P-D100 (DIN rail mount, plastic casing)

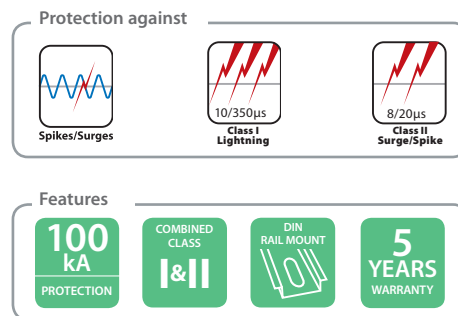
#### Applications

- Class I & II combined protection for all sensitive electronic devices
- Ideal for telecom applications

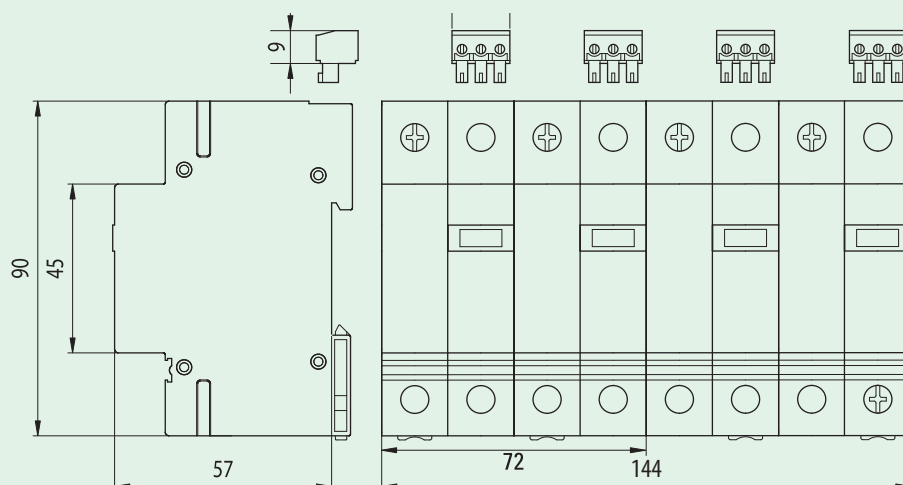
#### Features

- Combined class I & II
- Up to 100kA class I protection
- Compact DIN rail mount for easy install in the field
- Can be provided pre-installed in Sollatek 3 phase stabilisers\*
- Visual Indication of fault
- Volt-free contacts for remote indication
- 5 year no-quibble warranty

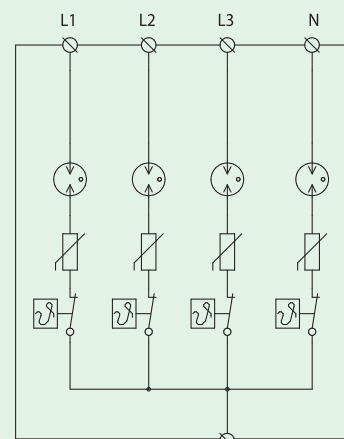
\*For more information on adding the DSP to the Sollatek stabilisers, please contact Sollatek sales



**DSP3P-D100**  
Dimension drawing



**DSP3P-D100**  
Basic circuit diagram

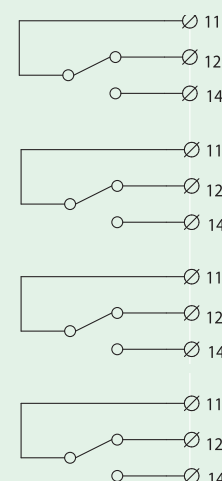


**Specifications**

**DSP3P-D100**

Nominal voltage (Power Supply System)	$U_n$	230 V AC/400 V AC
Maximum operating voltage	$U_c$	260 V AC
Temporary overvoltage (TOV)	$U_T$	400 V AC/5 s
Nominal discharge current (8/20 $\mu$ s)/pole	$I_n$	30 kA
Maximum discharge current (8/20 $\mu$ s)/pole	$I_{max}$	60 kA
Lighting impulse current (10/350 $\mu$ s)/pole	$I_{imp}$	25 kA
Voltage protection level	$U_p$	1,5 kV
Response time	$t_a$	100 ns
Ability to independently switch off the following current	$I_{fi}$	no follow through current
Short-circuit proof at maximum overcurrent protection		35 kA <sub>rms</sub>
Maximum overcurrent protection		160 A gL/gG
Degree of IP protection		IP 20
Range of operating temperatures		- 40 °C to + 80 °C
Mounting on DIN rail		35 mm
Cross-section of connected conductors		
Solid min/max		ISO: 1/50 mm <sup>2</sup> ; AWG: 17/1
Stranded min/max		ISO: 1/35 mm <sup>2</sup> ; AWG: 17/2
Stripping length of the supply conductors		14 mm
Tightening torque		max. 4 Nm
Fault indication		red indication
Remote indication – S design		volt-free change-over contact
Remote indication contacts		250 V / 0,5 A AC, 250 V / 0,1 A DC
Cross-section of remote indication conductors		max. 1,5 mm <sup>2</sup>
Meets the requirements of standard		EN 61643-11 + A11

**DSP3P-D100**  
Connection of signal terminal



ITEM	PRODUCT CODE
SOLLATEK DSP3P-D100 240/415V TNS T1+T2	9M310014

**Sollatek**<sup>TM</sup>  
the power to protect



**RoHS**

For more information on the Sollatek's Voltage Suppressor Range refer to the Voltage protection catalogue or visit [www.sollatek.com](http://www.sollatek.com)