DEHN protects

NEW

DEHNlimit PV 1000 V2 (FM)

Red / Line

DC Surge Protection for DC Photovoltaic Systems

Due to their exposed installation sites and large collection areas, Photovoltaic (PV) installations are at a high risk of damage due to both direct and indirect lightning strikes. The subsequent damage from these surges can cause serious damage to PV installations, expensive inverters and the building electrical system.

The new DEHNlimit PV 1000 V2 (FM) combined Type 1 Lightning current and Type 2 surge arrester from DEHN protects inverters up to 1000v d.c. from these damaging surges.

The innovative use of triple clamp terminals on the DC + and DC – feeds allows multiple strings to be connected to one SPD saving space and cost.

Utilising Spark Gap technology the DEHNlimit can safely discharge lightning currents up to 50kA with visual status indication also providing instant confirmation of the arrester status. Models with remote indication option (FM) also available.

Type 2 Surge protection for Photovoltaic (PV) systems.

DEHNguard PV SCI 500

Whilst only an external lightning protection system can protect PV installations from a direct strike, Type 2 Surge Protection Devices (SPD’s) protect the inverters and AC electrical system from surges induced by nearby indirect lightning strikes and also surges transmitted by the AC electrical grid.

Surge protection on DC and AC electrical supplies are covered with the DEHNguard RED/Line range of SPD’s.
Safety equipment - DEHNcare®

DEHNcare® protects in the event of an arc fault.

DEHN has now extended its portfolio of personal protective equipment by an arc-fault-tested protective suit. In addition to safety helmets and protective gloves, the protective suit constitutes the third important component for reducing the risk of arc flash injury whilst working on electrical installations. The new two-part protective suit protects workers from the thermal effects of an arc fault during work on electrical installations. To this end, the materials used provide maximum protection (IEC 61482-1-2, class 2) and excellent wearing comfort.

Having breathable leather and neoprene materials which have already been used for the protective gloves from DEHN, in combination with the flame-retardant lining and the reflective strips, the protective suit offers complete protection to workers exposed to arc faults. The zip and hook-and-loop fasteners are also made of flame-retardant material. Besides the advantages described above, side arm and leg pockets with flaps complement its appearance. The suit is available in six sizes.

Standardised tests prove the efficiency of the safety helmet, protective suit and protective gloves from DEHN in the event of an arc fault.

DEHNcare® combines maximum protection and unique wearing comfort. The materials used and the high-quality workmanship ensure excellent fit.

Safety devices and equipment from DEHN are manufactured and tested in compliance with applicable standards. DEHN is also a reliable partner for maintenance tests of earthing and short-circuiting devices, voltage detectors, switching sticks, fuse tongs, insulating sticks and earthing sticks.

Please contact us for more information on our safety equipment.
DEHN UK will be at the following exhibitions for 2012:

20-21st Sep  Elex Coventry
2-4th Oct    Solar Power UK
10-11th Oct  M&E London
1st Nov      NICEIC Live Bolton
8-9th Nov    Elex Sandown

DEHNbox – New Combined Lightning Current and Surge arrester with actiVsense® technology.

In today’s modern world the uninterrupted use of information technology and automation equipment is taken for granted. Lightning discharges, surges and over-voltages can cause major problems to equipment resulting in physical damage, data loss and the associated cost of lost production.

The installation of Surge Protection Devices is often the answer but number of products available can sometimes be overwhelming.

The new DEHNbox from DEHN is a combined Lightning current and Surge arrester that automatically detects the signal voltage from 0 to 180v, actiVsense® technology then automatically adapts the voltage protection level to the applied signal.

With a voltage range 0-180V (superimposed signal voltage + _5v/50Mhz) and nominal currents up to 100mA, the DEHNbox is suitable for a wide range of applications.

Housed in its own IP65 enclosure for ease of installation and available in 1 or 2 signal pair options. The design of the DEHNbox also allows two different signals to be protected with one device.

DEHN (UK) Ltd staff list:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dave Hughes</td>
<td>General Manager</td>
<td>07984 867998</td>
<td></td>
</tr>
<tr>
<td>Adrian Horsley</td>
<td>Technical Engineer</td>
<td>07515 998293</td>
<td></td>
</tr>
<tr>
<td>Clive Holberry</td>
<td>Warehouse Manager</td>
<td>01484 859111</td>
<td></td>
</tr>
<tr>
<td>Richard Newsome</td>
<td>Warehouse Assistant</td>
<td>01484 859111</td>
<td></td>
</tr>
<tr>
<td>John Porter</td>
<td>Business Manager South</td>
<td>07957 434524</td>
<td></td>
</tr>
<tr>
<td>Robin Earl</td>
<td>Business Manager London &amp; South</td>
<td>07791 021144</td>
<td></td>
</tr>
<tr>
<td>Claire Allsop</td>
<td>Marketing Co-ordinator</td>
<td>01484 859111</td>
<td></td>
</tr>
<tr>
<td>Caroline Moran</td>
<td>Accounts</td>
<td>01484 859111</td>
<td></td>
</tr>
</tbody>
</table>
Just for fun

Q S W D G L E Q X I O T N N O I T C E T O R P E G R U S C I
D E H N S N A P L K S A Z I B L J H Z O I D O R H T R A E A
W Z U E O I T O I T N L I G H T N I N G P R O T E C T I O N
N V A S T P H A H G V S N N S M R C X W L I T N E V N H E D
C J A D T A P E C L I P T T B R K O C W S T R J A C E J A A
N H O T C H T C S A P E T A U J Q D J T Q A Z H C F I L Z O
U T P L S O G I R P A U J H O F Z C L T B T T Z E H O T W C
C Q A X L U K E S Q Q G A S Y H C T B Z O S N C Z U M R V R
T C G T A J N F K O N H K F B X O N V U C L A E A X I A E
O L P A E H N I U W C S T R M V O R O I S A W L N T V X A T
S G B A F S X K O H I M M Y B P T C K P V S E C X U E Y V B
B L I T Z D U C T O R Z K B T A S M D E H N U K H S O I Z A
H V S L B H A E K D O R N O I T A N I M R E T R I A F B T S
N A F X Q M L B I O K U B C D Z A B Q N M O H D L O H N H E
B A E Q U I P O T E N T I A L B O N D I N G D A Y I Q T F M

<table>
<thead>
<tr>
<th>Air Termination Rod</th>
<th>Earth Pit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLITZDUCTOR</td>
<td>Earth Rod</td>
</tr>
<tr>
<td>Clamp</td>
<td>Earthing</td>
</tr>
<tr>
<td>Concrete Base</td>
<td>Equipotential Bonding</td>
</tr>
<tr>
<td>Cross Unit</td>
<td>HVI Conductor</td>
</tr>
<tr>
<td>DEHNiso Combi</td>
<td>Lightning Protection</td>
</tr>
<tr>
<td>DEHNsnap</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>DEHN UK</td>
<td>Pipe Clamp</td>
</tr>
<tr>
<td>DEHNventil</td>
<td>Spark Gap</td>
</tr>
<tr>
<td>Down Conductor</td>
<td>Surge Protection</td>
</tr>
<tr>
<td>Earth Bar</td>
<td>Tape Clip</td>
</tr>
</tbody>
</table>

Surge Protection   DEHN (UK) Ltd   Unit N8B
Lightning Protection Meltham Mills Industrial Estate Tel: 01484 859111
Earthing           Meltham
Safety Equipment    Holmfirth
DEHN protects.      HD9 4DS Fax: 01484 859222
                    info@dehn.co.uk
                    www.dehn.co.uk