



Zertifikat zur Anerkennung

Certificate of acceptance

von / of

DEHN SE + Co KG DEHN Test Centre
Hans Dehn Straße 1, 92318 Neumarkt
Germany

durch die / by the

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute

für das / for the

Test Data Acceptance Program

in der Stufe 3 / in the Stage 3

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VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierung Produkte / *Certification Products*

2021-04-08

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Version 1, 2016-04-01

VDE
INSTITUT



TDAP-SCOPE

for

DEHN SE + Co KG DEHN Test Centre
Hans Dehn Straße 1, 92318 Neumarkt
Germany

Products:

PROT
Surge Protective
Devices

Standards:

IEC 61643-11:2011
EN 61643-11:2012 + A11:2018
DIN EN 61643-11 (VDE 0675-6-11):2019-03
All clauses except:
8.2 Indelibility of markings
8.3.5.1 Temperature withstand
8.3.6 Insulation resistance (moisture treatment)
8.4.1 Reliability of screws, current-carrying parts and connections
8.4.2 Terminals for external conductors
8.4.4 Mechanical strength
8.5.1 above IP30
8.5.2 Heat resistance
8.5.3 Ball pressure test
8.5.4 Resistance to abnormal heat and fire
8.5.5 Tracking resistance Annex F: Environmental tests for outdoor SPDs ZB.2: Vibration and shock test

Persons:

Authorised for testing:

Josef Birkl
Nico Blomenhofer
Christian Frey
Markus Hirschmann
Thomas Maag
Günter Mößler
Daniela Powell
Matthias Schöll
André Wechsler

PROT

Surge Protective
Devices

IEC 61643-11:2011
EN 61643-11:2012 + A11:2018
DIN EN 61643-11 (VDE 0675-6-11):2019-03
Following clauses only:
8.2 Indelibility of markings
8.3.5.1 Temperature withstand
8.3.6 Insulation resistance (moisture treatment)
8.4.1 Reliability of screws current-carrying parts and connections
8.4.2 Terminals for external conductors
8.4.4 Mechanical strength
8.5.1 up to IP30 only
8.5.2 Heat resistance
8.5.3 Ball pressure test Annex F: Environmental tests for outdoor SPDs ZB.2 Vibration and shock test

Authorised for testing:

Christian Gottschalk
Daniel Scherer

PROT

Surge Protective
Devices

IEC 61643-11:2011,
EN 61643-11:2012 + A11:2018
DIN EN 61643-11 (VDE 0675-6-11):2019-03
All clauses except:
8.5.4 Resistance to abnormal heat and fire
8.5.5 Tracking resistance Annex F

Authorised for countersign TR:

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Christian Frey



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PROT
Surge Protective
Devices

EN 50539-11:2013 + A1:2014
DIN EN 50539-11 (VDE 0675-39-11):2013-12 +
A1:2015-09

All clauses except:
6.3.2 *Screws, current-carrying parts
and connections*
6.3.3 *External connections*
6.3.5 *Mechanical strength*
6.4 *(IP degree of protection above
IP30, Heat resistance, Ball pressure
test, Resistance to abnormal heat and
fire, Tracking resistance)*
7.3 *Indelibility of markings*
7.4.6.1 *Temperature withstand*
7.4.8 *Insulation resistance (moisture
treatment)*
7.6.1 *Life test under damp heat*
*Annex B: Environmental tests for
outdoor SPDs*

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PROT
Surge Protective
Devices

EN 50539-11:2013 + A1:2014
DIN EN 50539-11 (VDE 0675-39-11):2013-12 +
A1:2015-09

Following clauses only:
6.3.2 *Screws, current-carrying parts and connections*
6.3.3 *External connections*
6.3.5 *Mechanical strength*
6.4 *(Environment IP-code above IP30, Heat resistance, Ball
pressure test, Resistance to abnormal heat and fire,
Tracking resistance)*
7.3 *Indelibility of markings*
7.4.6.1 *Temperature withstand*
7.4.8 *Insulation resistance (moisture treatment)*
7.6.1 *Life test under damp heat*

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PROT
Surge Protective
Devices

EN 50539-11:2013 + A1:2014
DIN EN 50539-11 (VDE 0675-39-11):2013-12 +
A1:2015-09

All clauses except:
6.4 *Resistance to abnormal heat and fire*
6.4 *Tracking resistance*
Annex B: Environmental tests for outdoor SPDs

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PROT
SPDs in
photovoltaic
applications

IEC 61643-31:2018
EN 61643-31:2019
All clauses except:
6.2.6 *Insulation resistance (moisture treatment)*
6.3.2 *Screws, current-carrying parts and connections*
6.3.3 *External connections*
6.3.5 *Mechanical strength*
6.4 *(Environment IP-code above IP30, Heat resistance, Ball pressure test, Resistance to abnormal heat and fire, Tracking resistance)*
7.3 *Indelibility of markings*
7.4.3.1 *Temperature withstand*
7.6.1 *Life test under damp heat*
7.7.2: *Environmental tests for outdoor SPDs*

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PROT
SPDs in
photovoltaic
applications

IEC 61643-31:2018
EN 61643-31:2019
Following clauses only:
6.2.6 *Insulation resistance (moisture treatment)*
6.3.2 *Screws, current-carrying parts and connections*
6.3.3 *External connections*
6.3.5 *Mechanical strength*
6.4 *(Environment IP-code above IP30, Heat resistance, Ball pressure test, Resistance to abnormal heat and fire, Tracking resistance)*
7.3 *Indelibility of markings*
7.4.3.1 *Temperature withstand*
7.6.1 *Life test under damp heat*

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PROT
SPDs in
photovoltaic
applications

IEC 61643-31:2018
EN 61643-31:2019
All clauses except:
6.4 *Resistance to abnormal heat and fire*
6.4 *Tracking resistance*
7.7.2: *Environmental tests for outdoor SPDs*

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PROT
LPSC –
connection
components

IEC 62561-1:2017
EN 62561-1:2017
Following clauses only:
6.4 *Electrical Tests*

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PROT
LPSC –
connection
components

IEC 62561-1:2017
EN 62561-1:2017
All clauses except:
6.4 *Electrical Tests*
D.4 *Ammonia atmosphere treatment*

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PROT
LPSC –
connection
components

IEC 62561-1:2017
EN 62561-1:2017
All clauses

Authorised for countersign TR:
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PROT
LPSC –
conductors and
earth
electrodes

IEC 62561-2:2018 +COR1:2019
EN IEC 62561-2:2018+AC:2019
Following clauses only:
5.4.4 Electrical Test
Annex B Electrical Test

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PROT
LPSC –
conductors and
earth
electrodes

IEC 62561-2:2018 +COR1:2019
EN IEC 62561-2:2018+AC:2019
All clauses except:
5.4.4 Electrical Test
A.4 Ammonia atmosphere treatment
Annex B Electrical Test

Authorised for testing:
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PROT
LPSC –
conductors and
earth
Electrodes

IEC 62561-2:2018 +COR1:2019
EN IEC 62561-2:2018+AC:2019
All clauses

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PROT
LPSC – Isolating
spark gaps

IEC 62561-3:2017
EN 62561-3:2017
Following clauses only:
6.5 Electrical Tests

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PROT
LPSC – Isolating
spark gaps

IEC 62561-3:2017
EN 62561-3:2017
All clauses except:
6.5 Electrical Tests
B.4 Ammonia atmosphere treatment

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PROT
LPSC – Isolating
spark gaps

IEC 62561-3:2017
EN 62561-3:2017
All clauses

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PROT IEC 62561-4:2017
LPSC – conductor EN 62561-4:2017
fasteners *All clauses except:*
A.4 Ammonia atmosphere treatment
B.3 First alternative test to B.2

PROT IEC 62561-4:2017
LPSC – conductor EN 62561-4:2017
fasteners *All clauses*

PROT IEC 62561-5:2017
LPSC – earth EN 62561-5:2017
electrode *All clauses*
inspection
 housings and
 earth
 electrode seals

PROT IEC 62561-5:2017
LPSC – earth EN 62561-5:2017
electrode *All clauses*
inspection
 housings and
 earth
 electrode seals

PROT IEC/TS 62561-8:2018
LPSC – DIN IEC/TS 62561-8:2019
Components for Following clauses only:
isolated LPS 4.3.7 Electrical test
5.5.3 Documentation
5.5.7 Electrical tests
Annex F Installation arrangement

PROT IEC/TS 62561-8:2018
LPSC – DIN IEC/TS 62561-8:2019
Components for *All clauses except:*
isolated LPS 4.3.7 *Electrical test*
5.5.7 *Electrical tests*
A.4 Ammonia atmosphere treatment
B.3 First alternative test to B.2
Annex F Installation arrangement

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PROT
LPSC –
Components for
isolated LPS

IEC/TS 62561-8:2018
DIN IEC/TS 62561-8:2019
All clauses

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This document „TDAP SCOPE“ replaces all former documents „TDAP SCOPE“.

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