


Test Verification of Conformity

On the basis of the referenced test report(s), sample(s) of the below product have been found to comply with the harmonized standards and Directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product.

Once all product relevant  mark directives are verified in compliance, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to product identical to the test sample(s) if the product complies with all relevant CE mark Directives requirements.

Applicant Name & Address : NOARK Electrics (Shanghai) Co., Ltd.
3857 Sixian Road, Songjiang District, Shanghai,
P.R.China

Manufacturing Site Name & Address : NOARK Electrics (Shanghai) Co., Ltd.
3857 Sixian Road, Songjiang District, Shanghai,
P.R.China

Product(s) Tested : PV SPD

Ratings and principal characteristics : PV SPD, Type 2, inaccessible, with mechanical indicator, with internal disconnecter with fusible metal Sn alloy, with or without signaling contact, for indoor use only, while additionally considered the temperature cycling test for outdoor SPDs according to client's requirement

Model(s) : Ex9UEP 20 1P 600, Ex9UEP 20 2P 600, Ex9UEP 20 2P 1200, Ex9UEP 20 3P 1200, Ex9UEP 20R 1P 600, Ex9UEP 20R 2P 600, Ex9UEP 20R 2P 1200, Ex9UEP 20R 3P 1200, Ex9UEP 20 1P 500, Ex9UEP 20 2P 500, Ex9UEP 20 2P 1000, Ex9UEP 20 3P 1000, Ex9UEP 20R 1P 500, Ex9UEP 20R 2P 500, Ex9UEP 20R 2P 1000, Ex9UEP 20R 3P 1000, Ex9UEP 20 1P 750, Ex9UEP 20 2P 750, Ex9UEP 20 2P 1500, Ex9UEP 20 3P 1500, Ex9UEP 20R 1P 750, Ex9UEP 20R 2P 750, Ex9UEP 20R 2P 1500, Ex9UEP 20R 3P 1500

Brand name : **NOARK**

Relevant Standard(s) / Specification(s) / Directive(s) : EN 50539-11: 2013
Low Voltage Directive 2014/35/EU

Verification Issuing Office Name & Address : Intertek Testing Services Shanghai
Building No.86, 1198 Qinzhou Road (North), Shanghai
200233, China

Verification Number : 180301522SHA-V1

Report Number(s) : 180301522SHA-001

NOTE : This verification is part of the full test report(s) and should be read in conjunction with it.

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Oliver Wei
Manager
April 23, 2018



Annex to Test Verification of Conformity

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Type	Protection mode	I_{ma} (kA)	I_n (kA)	U_{CPV} (V)	U_P (kV)	I_{SCP} (A)	Connection configuration	Signalling contact
Ex9UEP 20 1P 600	+ →PE (alternative used for - →PE or + ←→-)	40	20	600	2.3	1000	I	No
Ex9UEP 20 2P 600	+ →PE - →PE	40	20	600	2.3	1000	U	No
	+ ←→-	40	20	1200	4.2	1000		
Ex9UEP 20 2P 1200	+ ←→-	40	20	1200	4.2	1000	U without PE (for + →- mode)	No
Ex9UEP 20 3P 1200	+ →PE - →PE + ←→-	40	20	1200	4.2	1000	Y	No
Ex9UEP 20R 1P 600	+ →PE (alternative used for - →PE or + ←→-)	40	20	600	2.3	1000	I	yes
Ex9UEP 20R 2P 600	+ →PE - →PE	40	20	600	2.3	1000	U	yes
	+ ←→-	40	20	1200	4.2	1000		
Ex9UEP 20R 2P 1200	+ ←→-	40	20	1200	4.2	1000	U without PE (for + →- mode)	yes
Ex9UEP 20R 3P 1200	+ →PE - →PE + ←→-	40	20	1200	4.2	1000	Y	yes

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Ex9UEP 20 1P 500	+ → PE (alternative used for - → PE or + ↔ -)	40	20	500	2.0	1000	I	No
Ex9UEP 20 2P 500	+ → PE - → PE	40	20	500	2.0	1000	U	No
	+ ↔ -	40	20	1000	3.8	1000		
Ex9UEP 20 2P 1000	+ ↔ -	40	20	1000	3.8	1000	U without PE (for + ↔ - mode)	No
Ex9UEP 20 3P 1000	+ → PE - → PE + ↔ -	40	20	1000	3.8	1000	Y	No
Ex9UEP 20R 1P 500	+ → PE (alternative used for - → PE or + ↔ -)	40	20	500	2.0	1000	I	yes
Ex9UEP 20R 2P 500	+ → PE - → PE	40	20	500	2.0	1000	U	yes
	+ ↔ -	40	20	1000	3.8	1000		
Ex9UEP 20R 2P 1000	+ ↔ -	40	20	1000	3.8	1000	U without PE (for + → - mode)	yes
Ex9UEP 20R 3P 1000	+ → PE - → PE + ↔ -	40	20	1000	3.8	1000	Y	yes

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Ex9UEP 20 1P 750	+ →PE (alternative used for - →PE or + ↔-)	40	20	750	2.5	1000	I	No
Ex9UEP 20 2P 750	+ →PE - →PE	40	20	750	2.5	1000	U	No
	+ ↔-	40	20	1500	5.0	1000		
Ex9UEP 20 2P 1500	+ ↔-	40	20	1500	5.0	1000	U without PE (for + ↔- mode)	No
Ex9UEP 20 3P 1500	+ →PE - →PE + ↔-	40	20	1500	5.0	1000	Y	No
Ex9UEP 20R 1P 750	+ →PE (alternative used for - →PE or + ↔-)	40	20	750	2.5	1000	I	yes
Ex9UEP 20R 2P 750	+ →PE - →PE	40	20	750	2.5	1000	U	yes
	+ ↔-	40	20	1500	5.0	1000		
Ex9UEP 20R 2P 1500	+ ↔-	40	20	1500	5.0	1000	U without PE (for + →- mode)	yes
Ex9UEP 20R 3P 1500	+ →PE - →PE + ↔-	40	20	1500	5.0	1000	Y	yes

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Note:

1 For all types, they with similar construction, only different poles (for example 1P, 2P or 3P), different connecting means for each pole and basic MOV module;

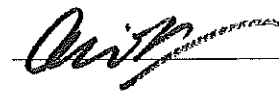
2 For type Ex9UEP 20 1P 600, Ex9UEP 20 2P 600, Ex9UEP 20 2P 1200, Ex9UEP 20 3P 1200, Ex9UEP 20R 1P 600, Ex9UEP 20R 2P 600, Ex9UEP 20R 2P 1200, Ex9UEP 20R 3P 1200, they with same basic MOV module;

3 For type Ex9UEP 20 1P 500, Ex9UEP 20 2P 500, Ex9UEP 20 2P 1000, Ex9UEP 20 3P 1000, Ex9UEP 20R 1P 500, Ex9UEP 20R 2P 500, Ex9UEP 20R 2P 1000, Ex9UEP 20R 3P 1000, they with same basic MOV module;

4 For type Ex9UEP 20 1P 750, Ex9UEP 20 2P 750, Ex9UEP 20 2P 1500, Ex9UEP 20 3P 1500, Ex9UEP 20R 1P 750, Ex9UEP 20R 2P 750, Ex9UEP 20R 2P 1500, Ex9UEP 20R 3P 1500, they with same basic MOV module.

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