

Certificate Number: AZ 69025269

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CERTIFICATE OF APPROVAL

Authorised marking: TUV-025269-EA

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under the Gas and Electricity (Consumer safety) Act 2017 as a declared Recognised External Approval Scheme (REAS). The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder shall use the above mentioned authorised marking. The certificate holder may use the Regulatory Compliance Mark (RCM) provided all the requirements of AS/NZS 4417.1 & AS/NZS 4417.2 applicable to the article are fulfilled.

CERTIFICATE HOLDER:

ProJoy Electric Co., Ltd.
XinTang Industrial Zone,
North-city Street,
PingJiang District
Suzhou
215000 Jiangsu
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:

DC ISOLATOR

Product:

PV Switch-disconnector

Trade Name / Manufacturer:

PROJOY

Model Number:

PEDS150

Model Number details see CONTINUATION SHEET 1-6

Ratings:

Uimp=8kV; -40°C to +85°C; No polarity;
Ui=1500V; DC-PV2; Icw=780A, 1s, Icm=1,2kA;
Suitable for enclosed indoor and enclosed outdoor;
(Further ratings refer to CONTINUATION SHEET 6-9)

Standard:

AS 60947.3:2018
AS/NZS IEC 60947.1:2015

Issue Date:

02/08/2021

Expiry Date:

02/08/2026

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Grant Li



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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Model List :

- 1) PEDS150-EL55R-2, PEDS150-EL55R-4;
- 2) PEDS150-EL55R-4T, PEDS150-EL55R-4B, PEDS150-EL55R-4S
- 3) PEDS150-EL40R-2, PEDS150-EL40R-4;
- 4) PEDS150-EL40R-4T, PEDS150-EL40R-4B, PEDS150-EL40R-4S
- 5) PEDS150-EL32R-2, PEDS150-EL32R-4;
- 6) PEDS150-EL32R-4T, PEDS150-EL32R-4B, PEDS150-EL32R-4S
- 7) PEDS150-EL25R-2, PEDS150-EL25R-4;
- 8) PEDS150-EL25R-4T, PEDS150-EL25R-4B, PEDS150-EL25R-4S
- 9) PEDS150-EL16R-2, PEDS150-EL16R-4;
- 10) PEDS150-EL16R-4T, PEDS150-EL16R-4B, PEDS150-EL16R-4S

- 11) PEDS150-PM55R-2, PEDS150-PM55R-3, PEDS150-PM55R-4,
PEDS150-PM55R-6, PEDS150-PM55R-8, PEDS150-PM55R-10
PEDS150R-PM55R-2, PEDS150R-PM55R-3, PEDS150R-PM55R-4,
PEDS150R-PM55R-6, PEDS150R-PM55R-8, PEDS150R-PM55R-10
PEDS150-HM55R-2, PEDS150-HM55R-3, PEDS150-HM55R-4,
PEDS150-HM55R-6, PEDS150-HM55R-8, PEDS150-HM55R-10
PEDS150R-HM55R-2, PEDS150R-HM55R-3, PEDS150R-HM55R-4,
PEDS150R-HM55R-6, PEDS150R-HM55R-8, PEDS150R-HM55R-10

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Model List :

12) PEDS150-PM55R-3T, PEDS150-PM55R-4T, PEDS150-PM55R-4B,
PEDS150-PM55R-4S, PEDS150-PM55R-6T
PEDS150R-PM55R-3T, PEDS150R-PM55R-4T, PEDS150R-PM55R-4B,
PEDS150R-PM55R-4S, PEDS150R-PM55R-6T
PEDS150-HM55R-3T, PEDS150-HM55R-4T, PEDS150-HM55R-4B,
PEDS150-HM55R-4S, PEDS150-HM55R-6T
PEDS150-HM55R-3T, PEDS150-HM55R-4T, PEDS150-HM55R-4B,
PEDS150-HM55R-4S, PEDS150-HM55R-6T

13) PEDS150-PM40R-2, PEDS150-PM40R-3, PEDS150-PM40R-4,
PEDS150-PM40R-6, PEDS150-PM40R-8, PEDS150-PM40R-10
PEDS150R-PM40R-2, PEDS150R-PM40R-3, PEDS150R-PM40R-4,
PEDS150R-PM40R-6, PEDS150R-PM40R-8, PEDS150R-PM40R-10
PEDS150-HM40R-2, PEDS150-HM40R-3, PEDS150-HM40R-4,
PEDS150-HM40R-6, PEDS150-HM40R-8, PEDS150-HM40R-10
PEDS150R-HM40R-2, PEDS150R-HM40R-3, PEDS150R-HM40R-4,
PEDS150R-HM40R-6, PEDS150R-HM40R-8, PEDS150R-HM40R-10

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CONTINUATION SHEET 3

DESCRIPTION OF EQUIPMENT

Model List :

14) PEDS150-PM40R-3T, PEDS150-PM40R-4T, PEDS150-PM40R-4B,
PEDS150-PM40R-4S, PEDS150-PM40R-6T
PEDS150R-PM40R-3T, PEDS150R-PM40R-4T, PEDS150R-PM40R-4B,
PEDS150R-PM40R-4S, PEDS150R-PM40R-6T
PEDS150-HM40R-3T, PEDS150-HM40R-4T, PEDS150-HM40R-4B,
PEDS150-HM40R-4S, PEDS150-HM40R-6T
PEDS150-HM40R-3T, PEDS150-HM40R-4T, PEDS150-HM40R-4B,
PEDS150-HM40R-4S, PEDS150-HM40R-6T

15) PEDS150-PM32R-2, PEDS150-PM32R-3, PEDS150-PM32R-4,
PEDS150-PM32R-6, PEDS150-PM32R-8, PEDS150-PM32R-10
PEDS150R-PM32R-2, PEDS150R-PM32R-3, PEDS150R-PM32R-4,
PEDS150R-PM32R-6, PEDS150R-PM32R-8, PEDS150R-PM32R-10
PEDS150-HM32R-2, PEDS150-HM32R-3, PEDS150-HM32R-4,
PEDS150-HM32R-6, PEDS150-HM32R-8, PEDS150-HM32R-10
PEDS150R-HM32R-2, PEDS150R-HM32R-3, PEDS150R-HM32R-4,
PEDS150R-HM32R-6, PEDS150R-HM32R-8, PEDS150R-HM32R-10

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CONTINUATION SHEET 4

DESCRIPTION OF EQUIPMENT

Model List :

16) PEDS150-PM32R-3T, PEDS150-PM32R-4T, PEDS150-PM32R-4B,
PEDS150-PM32R-4S, PEDS150-PM32R-6T
PEDS150R-PM32R-3T, PEDS150R-PM32R-4T, PEDS150R-PM32R-4B,
PEDS150R-PM32R-4S, PEDS150R-PM32R-6T
PEDS150-HM32R-3T, PEDS150-HM32R-4T, PEDS150-HM32R-4B,
PEDS150-HM32R-4S, PEDS150-HM32R-6T
PEDS150-HM32R-3T, PEDS150-HM32R-4T, PEDS150-HM32R-4B,
PEDS150-HM32R-4S, PEDS150-HM32R-6T

17) PEDS150-PM25R-2, PEDS150-PM25R-3, PEDS150-PM25R-4,
PEDS150-PM25R-6, PEDS150-PM25R-8, PEDS150-PM25R-10
PEDS150R-PM25R-2, PEDS150R-PM25R-3, PEDS150R-PM25R-4,
PEDS150R-PM25R-6, PEDS150R-PM25R-8, PEDS150R-PM25R-10
PEDS150-HM25R-2, PEDS150-HM25R-3, PEDS150-HM25R-4,
PEDS150-HM25R-6, PEDS150-HM25R-8, PEDS150-HM25R-10
PEDS150R-HM25R-2, PEDS150R-HM25R-3, PEDS150R-HM25R-4,
PEDS150R-HM25R-6, PEDS150R-HM25R-8, PEDS150R-HM25R-10

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CONTINUATION SHEET 5

DESCRIPTION OF EQUIPMENT

Model List :

18) PEDS150-PM25R-3T, PEDS150-PM25R-4T, PEDS150-PM25R-4B,
PEDS150-PM25R-4S, PEDS150-PM25R-6T
PEDS150R-PM25R-3T, PEDS150R-PM25R-4T, PEDS150R-PM25R-4B,
PEDS150R-PM25R-4S, PEDS150R-PM25R-6T
PEDS150-HM25R-3T, PEDS150-HM25R-4T, PEDS150-HM25R-4B,
PEDS150-HM25R-4S, PEDS150-HM25R-6T
PEDS150-HM25R-3T, PEDS150-HM25R-4T, PEDS150-HM25R-4B,
PEDS150-HM25R-4S, PEDS150-HM25R-6T

19) PEDS150-PM16R-2, PEDS150-PM16R-3, PEDS150-PM16R-4,
PEDS150-PM16R-6, PEDS150-PM16R-8, PEDS150-PM16R-10
PEDS150R-PM16R-2, PEDS150R-PM16R-3, PEDS150R-PM16R-4,
PEDS150R-PM16R-6, PEDS150R-PM16R-8, PEDS150R-PM16R-10
PEDS150-HM16R-2, PEDS150-HM16R-3, PEDS150-HM16R-4,
PEDS150-HM16R-6, PEDS150-HM16R-8, PEDS150-HM16R-10
PEDS150R-HM16R-2, PEDS150R-HM16R-3, PEDS150R-HM16R-4,
PEDS150R-HM16R-6, PEDS150R-HM16R-8, PEDS150R-HM16R-10

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CONTINUATION SHEET 6

DESCRIPTION OF EQUIPMENT

Model List :

20) PEDS150-PM16R-3T, PEDS150-PM16R-4T, PEDS150-PM16R-4B,
PEDS150-PM16R-4S, PEDS150-PM16R-6T
PEDS150R-PM16R-3T, PEDS150R-PM16R-4T, PEDS150R-PM16R-4B,
PEDS150R-PM16R-4S, PEDS150R-PM16R-6T
PEDS150-HM16R-3T, PEDS150-HM16R-4T, PEDS150-HM16R-4B,
PEDS150-HM16R-4S, PEDS150-HM16R-6T
PEDS150-HM16R-3T, PEDS150-HM16R-4T, PEDS150-HM16R-4B,
PEDS150-HM16R-4S, PEDS150-HM16R-6T

Ratings:

- 1) Ue/Ie: 300V/55A; 600V/50A; 800V/40A; 1000V/32A; 1200V/18A
1500V/10A
- 2) Ue/Ie: 1000V/50A
- 3) Ue/Ie: 300V/40A; 600V/40A; 800V/30A; 1000V/20A; 1200V/15A
1500V/10A
- 4) Ue/Ie: 1000V/40A
- 5) Ue/Ie: 300V/32A; 600V/32A; 800V/23A; 1000V/10A; 1200V/8A;
1500V/5A
- 6) Ue/Ie: 1000V/20A
- 7) Ue/Ie: 300V/25A; 600V/25A; 800V/20A; 1000V/8A; 1200V/6A;
1500V/4A

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CONTINUATION SHEET 7

DESCRIPTION OF EQUIPMENT

Ratings:

8) Ue/Ie: 1000V/16A

9) Ue/Ie: 300V/16A; 600V/16A; 800V/16A; 1000V/6A; 1200V/4A;
1500V/3A

10) Ue/Ie: 1000V/12A

I(make)/Ic(break)=4xIe; Icw: 780A, 1s; Icm: 1,2kA.

IP66NW (enclosed outdoor), with a dedicated individual
Enclosure.

Enclosure: Model PEDS150-EL,

Size: 98×80×180 mm, Material: PC.

1)2) Ithe Solar at 40°C: 55A, Ithe Solar at 60°C: 50A.

3)4) Ithe Solar at 40°C: 40A, Ithe Solar at 60°C: 37A.

5)6) Ithe Solar at 40°C: 32A, Ithe Solar at 60°C: 29A.

7)8) Ithe Solar at 40°C: 25A, Ithe Solar at 60°C: 22A.

9)10) Ithe Solar at 40°C: 16A, Ithe Solar at 60°C: 13A.

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CONTINUATION SHEET 8

DESCRIPTION OF EQUIPMENT

Ratings:

- 11) Ue/Ie: 300V/55A; 600V/50A; 800V/40A; 1000V/32A;
1200V/18A; 1500V/10A
- 12) Ue/Ie: 1000V/50A
- 13) Ue/Ie: 300V/40A; 600V/40A; 800V/30A; 1000V/20A;
1200V/15A; 1500V/10A
- 14) Ue/Ie: 1000V/40A
- 15) Ue/Ie: 300V/32A; 600V/32A; 800V/23A; 1000V10A;
1200V/8A; 1500V/5A
- 16) Ue/Ie: 1000V/20A
- 17) Ue/Ie: 300V/25A; 600V/25A; 800V/20A; 1000V/8A;
1200V/6A; 1500V/4A
- 18) Ue/Ie: 1000V/16A
- 19) Ue/Ie: 300V/16A; 600V/16A; 800V/16A; 1000V/6A;
1200V/4A;1500V/3A
- 20) Ue/Ie: 1000V/12A

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CONTINUATION SHEET 9

DESCRIPTION OF EQUIPMENT

Ratings:

I(make)/Ic(break)=4xle; Icw: 780A, 1s; Icm: 1,2kA.

Enclosed indoor: IP20

Min. size: 300×200×150 mm, Material: Steel.

11)12) Ithe = 55A.

13)14) Ithe = 40A

15)16) Ithe = 32A.

17)18) Ithe = 25A.

19)20) Ithe = 16A

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