

CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028841-E

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 JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and complied with the standard(s) listed below in accordance with the scheme herein and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified.

CERTIFICATE HOLDER: SOCOMEC SAS
SOCOMEC SAS, 1 Rue de Westhouse,
67235 BENFELD
France

DESCRIPTION OF ELECTRICAL EQUIPMENT

Declared class: Non-declared
Product: DC Switch- Disconnecter
Trade Name / Manufacturer: SOCOMEC
Model Number: INOSYS LBS 160A, INOSYS LBS 250A, INOSYS LBS 315A, INOSYS LBS 400A
Ratings: $U_i=1500V$; $U_{imp}=12kV$; DC-PV2, DC-PV1, DC-21B;
 $I_{the}=I_{th}=I_u=400A$; IP20, after installation; T_a -5°C to 40°C
Refer to CONTINUATION SHEET 1-2 for ratings details
Condition(s): DC-PV1 rated above 30kVA is for commercial and industrial situations.
Standard: AS 60947.3:2023
AS/NZS 60947.1:2021
Issue Date: 19-12-2025
Expiry Date: 19-12-2030

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Rafeeqe Mohamed

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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ui:1500V; Uimp:12kV;
Ith=Ithe=lu=400A;
INOSYS LBS 160A:
2P appearance:DC-21B:Ue/Ie:DC1500V/160A;
2P appearance:DC-PV2:Ue/Ie:DC1500V/160A;
Icw:5kA/1s; Icm:10kA;
INOSYS LBS 250A:
2P appearance:DC-21B:Ue/Ie:DC1500V/250A;
2P appearance:DC-PV2:Ue/Ie:DC1500V/250A;
Icw:5kA/1s; Icm:10kA;
INOSYS LBS 315A:
2P appearance:DC-21B:Ue/Ie:DC1500V/315A;
2P appearance:DC-PV2:Ue/Ie:DC1500V/315A;
Icw:5kA/1s; Icm:10kA;
INOSYS LBS 400A:
2P appearance: DC-21B, DC-PV1: Ue/Ie: DC1500V/400A;
Icw:10kA/1s; Icm:10kA

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CONTINUATION SHEET 2

Classification D.C. Isolator:

According to AS 60947.3: 2023

The PV switch-disconnector is d.c isolator classified as

D.4.5 (c): Enclosed without a specified enclosure – For use within enclosure.

(i) a switch disconnector to be used in an enclosed indoor installation situation, excluding within PCE

(ii) a switch disconnector to be used in a PCE where the final PCE has not yet been determined (i.e. assessed without final PCE enclosure).

Classification D.C. Isolator:

According to Information Bulletin 2020 #20-018 v1.2

2) 'enclosed indoor' without a dedicated individual enclosure

4) d.c. isolator installed within power conditioning equipment (PCE), Condition A:

A d.c. isolator intended for use within PCE and is fully tested to AS 60947.3 with full DC-PV2 voltage and current ratings applied.

Remark:

1) The PCE that the dc isolator will be installed within is not known at time of test, tests were performed in an empty enclosure,

size: 500x700x300mm (W x H x D), material of enclosure: Steel, wall thickness: 1,5mm.

2) This classification has an enclosed thermal current I_{the} at 40°C shade ambient air temperature related to the particular enclosure size and material specified in the test report.

3) After installed with empty enclosure above, I_{the} Solar at 40°C=400A, I_{the} Solar at 60°C=320A.

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