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| **Issued to:** |  | SOCOMEC SAS |
| 1 Rue de Westhouse - B.P. 60010  Benfeld Cedex 67235  France |
|  |  |  |
| **This is to certify that**  **representative samples of** |  | WHVA - Switches, Open Type for Use in Photovoltaic Systems |
| See Addendum Page for Product Designation(s). |
|  |  |  |
| UL-US-L346418-51-22608102-4 |  | Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate. |
|  |  |  |
| **Standard(s) for Safety:** |  | UL 98A, 2nd Ed., Issue Date: 2014-07-11, UL 98B, 3rd Ed., Issue Date: 2015-02-04 |
| **Additional Information:** |  | See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information |

E346418-20180622

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL’s Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

|  |  |
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|  |  |
| **Model** | **Category Description** |
| **INOSYS LBS Series 87P, rated 800A**, 87E22081 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 1000A**, 87E22100 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 1200A**, 87E22120 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 275A**, 87P01027 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 275A**, 87P01028 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 325A**, 87P01032 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 325A**, 87P01033 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 400A**, 87P01040 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 400A**, 87P01041 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 500A**, 87P01050 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 500A**, 87P01051 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 275A**, 87P02027 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 275A**, 87P02028 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 325A**, 87P02032 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 325A**, 87P02033 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 400A**, 87P02040 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 400A**, 87P02041 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 500A**, 87P02050 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 500A**, 87P02051 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 600A**, 87P02061 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 600A**, 87P03060 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 275A**, 87P11027 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 275A**, 87P11028 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 325A**, 87P11032 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 325A**, 87P11033 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 400A**, 87P11040 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 400A**, 87P11041 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 500A**, 87P11050 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 500A**, 87P11051 | Open type switches, manual for use in photovoltaic systems |
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| **INOSYS LBS Series 87P, rated 800A**, 87P22081 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 1000A**, 87P22100 | Open type switches, manual for use in photovoltaic systems |
| **INOSYS LBS Series 87P, rated 1200A**, 87P22120 | Open type switches, manual for use in photovoltaic systems |

RATINGS:

OPEN TYPE SWITCHES FOR USE IN PHOTOVOLTAIC SYSTEMS

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of switch Poles  (a) (b) | Model | Current Rating, A  General Use | Voltage, DC (max. values) | Number of Poles used in Series | Number of Poles used in Parallel | Number of circuits | Short Circuit Rating, kA | Comments (C) |
| 1 | 87P01027 | 275 | 500 | 1 | 1 | 1 | 10 |  |
| 87P01032 | 325 | 500 | 1 | 1 | 1 | 10 |  |
| 87P01040 | 400 | 500 | 1 | 1 | 1 | 10 |  |
| 87P01050 | 500 | 500 | 1 | 1 | 1 | 10 |  |
| 87P01028 | 275 | 750 | 1 | 1 | 1 | 10 |  |
| 87P01033 | 325 | 750 | 1 | 1 | 1 | 10 |  |
| 87P01041 | 400 | 750 | 1 | 1 | 1 | 10 |  |
| 87P01051 | 500 | 750 | 1 | 1 | 1 | 10 |  |
| 2(a) | 87P11027 | 275 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P11027 | 275 | 1000 | 2 | 1 | 2 | 10 |  |
| 87P02027 | 275 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P02027 | 275 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P11032 | 325 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P11032 | 325 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P02032 | 325 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P02032 | 325 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P11040 | 400 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P11040 | 400 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P02040 | 400 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P02040 | 400 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P11050 | 500 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P11050 | 500 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P02050 | 500 | 500 | 1 | 1 | 2 | 10 | (C) |
| 87P02050 | 500 | 1000 | 2 | 1 | 1 | 10 |  |
| 87P11028 | 275 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P11028 | 275 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P02028 | 275 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P02028 | 275 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P11033 | 325 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P11033 | 325 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P02033 | 325 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P02033 | 325 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P11041 | 400 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P11041 | 400 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P02041 | 400 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P02041 | 400 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P11051 | 500 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P11051 | 500 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P02051 | 500 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P02051 | 500 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P11061 | 600 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P11061 | 600 | 1500 | 2 | 1 | 1 | 10 |  |
| 87P02061 | 600 | 750 | 1 | 1 | 2 | 10 | (C) |
| 87P02061 | 600 | 1500 | 2 | 1 | 1 | 10 |  |
| 3 (a)(b) | 87P03060 | 600 | 500 | 1 | 1 | 3 | 10 | (C) |
| 600 | 1000 | 2 | 1 | 1 | 10 | (C) |
| 600 | 1500 | 3 | 1 | 1 | 10 |  |
| 4 | 87P22041 | 400 | 1500 | 2 | 1 | 2 | 10 |  |
| 87P22051 | 500 | 1500 | 2 | 1 | 2 | 10 |  |
| 87P22061 | 600 | 1500 | 2 | 1 | 2 | 10 |  |
| 87P22081  87E22081 | 800 | 1500 | 2 | 2 | 1 | 10 |  |
| 87P22100  87E22100 | 1000 | 1500 | 2 | 2 | 1 | 10 |  |
| 87P22120  87E22120 | 1200 | 1500 | 2 | 2 | 1 | 10 | (D) |

Ambient range -20 to +50 °C

(a) 1000Vdc or 1500Vdc when 2 poles are connected in series on 1 circuit.

(b) 1000Vdc or 1500Vdc when 3 poles are connected in series on 1 circuit.

(c) Optional characteristic – Electrical Ratings may not be marked for this configuration.

(d) Only suitable for wired connections.