

**87P03060**

## DC LOAD BREAK SWITCH INOSYS LBS MANUEL UL 600A 3P 1500VDC F3

**Strong points**

- High-performance power switching in a compact frame
- Safe & reliable operation
- Designed for harsh environments
- Easy to install
- Modular solution for flexible configuration

**General characteristics**

High switching capacity of 750 VDC per pole with optimum arc containment and significant power loss reduction  
 Configurable mechanism (centered or left aligned) to accommodate installation requirements  
 Easy auxiliary contacts' integration without the need of any tools  
 Used of high temperature withstand materials, No derating up to 131° F / 55° C

**Compliance with standards**

UL 98B Guide WHVA File E346418  
 IEC 60947-3, DC-21B & DC-PV2  
 CCC

**Link to the reference**

INOSYS LBS are multi-polar disconnect switches operated manually using the handle to disconnect DC/PV/ESS circuits safely.

They make and break under load conditions, provide safety isolation for low voltage circuits up to 1500 VDC (also available up to 2000kVA), and are suitable for emergency switching. They are available for DC-PV2 utilization category.

**Certificates and Declaration**

Conformity to standard #1	UL98B
Conformity to standard #2	IEC 60947-3
Proposition 65 California	WARNING This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to: <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

**Environmental Sustainability**

PEP Filename	SOCO-00067-V01.02-EN.pdf
Climate change - Total - Cradle to Grave [kg CO <sub>2</sub> eq.]	404
Climate change - Total - Cradle to Gate [kg CO <sub>2</sub> eq.]	25

**Standards**

Conformity to standards	CCC UL
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**Certificates and Declaration - Safety**

UL file number	E346418
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**Technical Characteristics**

Weight [kg]	0.01
Control operator	Direct : E3 / External : S2L
Number of poles	3
Rated voltage	1500
Rated current [A]	600
Type	Frontal or lateral operation
Frame size	F3

**Technical Characteristics - Connection terminals**

Max. connection section / AWG	2x600MCM
Min. connection section / AWG	2x#2

**Technical Characteristics - Environmental**

Operating temperature	-4 ... +122°F / -20 ... +50°C
Storage temperature	-40 ... +158°F / -40 ... +70°C

**Technical Characteristics - Mechanical**

Endurance (number of operating cycles)	8000
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**Technical Characteristics - Short-circuit capacity**

Operation voltage 2 P - 3/4 P	1500VDC
Short-circuit capacity at 1000 & 1500 VDC / Prospective short-circuit current [kA rms]	10
UL General use rating [A]	600

**ETIM - Electrical characteristics**

Number of poles	3
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**ETIM - Mechanical characteristics**

Suitable for floor mounting	No
Suitable for front mounting 4-hole	Ja
Suitable for front mounting centre	No
Suitable for distribution board installation	Yes
Suitable for intermediate mounting	Yes
Colour control element	Other
Degree of protection (IP), front side	IP20

**ETIM - Technical features**

Version as main switch	Yes
Version as maintenance-/service switch	Yes
Version as safety switch	Yes
Version as emergency stop installation	Yes
Version as reversing switch	No
Number of switches	1
Device construction	Built-in device fixed built-in technique
Voltage release optional	No
Type of control element	Other
Interlockable	Yes
Type of electrical connection of main circuit	Bolt connection

**Logistics**

GTIN/EAN	3596032977771
Customs number	8535301090
Price unit	PC
Weight of the packing unit [kg]	0,01

**Product Details**

Effective date	2015-10-02
Offer Life Cycle Code	40
Country of origin	TN

**Classification**

UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290