

**87P03025**

## **DC LOAD BREAK SWITCH INOSYS LBS MANUEL UL 250A 3P 1500VDC F2**

### **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

### **Link to the reference**

<https://www.socomec.us/en-us/reference/87P03025>

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, and are suitable for emergency switching.

<b>----- System -----</b>	
Fill rate E-Order Common	71
Fill rate E-Order Selection	78
<b>Certificates and Declaration</b>	
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: www.P65Warnings.ca.gov
<b>Standards</b>	
Conformity to standards	IEC UL
<b>Certificates and Declaration - Safety</b>	
UL file number	E346418
<b>Technical Characteristics</b>	
Control operator	Direct : E2 / External : S2
Number of poles	3
Rated voltage	1500
Rated current [A]	250
Type	Frontal or lateral operation
Frame size	F2
<b>Technical Characteristics - Connection terminals</b>	
Max. connection section / AWG	2x2/0
Min. connection section / AWG	2x#12
<b>Technical Characteristics - Environmental</b>	
Operating temperature	-4 ... +122°F / -20 ... +50°C
Storage temperature	-40 ... +158°F / -40 ... +70°C
<b>Technical Characteristics - Mechanical</b>	
Endurance (number of operating cycles)	10000
<b>Technical Characteristics - Short-circuit capacity</b>	
Operation voltage 2 P - 3/4 P	1500VDC
Short-circuit capacity at 1000 & 1500 VDC / Prospective short-circuit current	10
UL General use rating	250
<b>ETIM - Electrical characteristics</b>	
Max. rated operation voltage Ue AC [V]	1500
Rated operating voltage [V]	600..1500
Rated permanent current Iu [A]	250
Rated short-time withstand current Icw [kA]	5
Number of poles	3
<b>ETIM - Mechanical characteristics</b>	
Suitable for floor mounting	No
Suitable for front mounting 4-hole	Yes

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
<b>ETIM - Technical features</b>	
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
Motor drive optional	No
Motor drive integrated	No
Voltage release optional	No
Device construction	Built-in device fixed built-in technique
Type of control element	Other
Interlockable	Yes
Type of electrical connection of main circuit	Bolt connection
<b>Logistics</b>	
GTIN/EAN	3596032977740
Customs number	8535301090
Price unit	PC
Weight of the packing unit	3.25
Length of the packing unit	0.165
Width of the packing unit	0.205
Depth of the packing unit	0.385
<b>Product Details</b>	
Effective date	2015-10-02
Country of origin	TN
Discount Policy	1CD40
Discount Policy Label	INOSYS LBS PV MANUAL
Length of the product unit	0.154
Width of the product unit	0.152
Depth of the product unit	0.11
Weight	3.25
<b>Classification</b>	
UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290