

87P02011

DC LOAD BREAK SWITCH INOSYS LBS MANUEL UL 100A 2P 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/87P02011>

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.

----- System -----	
Fill rate E-Order Common	57
Fill rate E-Order Selection	78
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: www.P65Warnings.ca.gov
Standards	
Conformity to standards	IEC UL
Certificates and Declaration - Safety	
UL file number	E346418
Technical Characteristics	
Control operator	Direct : E2 / External : S2
Number of poles	2
Rated voltage	1500
Rated current [A]	100
Type	Frontal or lateral operation
Frame size	F2
Technical Characteristics - Connection terminals	
Max. connection section / AWG	2x2/0
Min. connection section / AWG	2x#12
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)	10000
Technical Characteristics - Short-circuit capacity	
Operation voltage 2 P - 3/4 P	1500VDC
Short-circuit capacity at 1000 & 1500 VDC / Prospective short-circuit current	10
UL General use rating	100
ETIM - Electrical characteristics	
Max. rated operation voltage Ue AC [V]	1500
Rated operating voltage [V]	600..1500
Rated permanent current Iu [A]	100
Rated short-time withstand current Icw [kA]	5
Number of poles	2
ETIM - Mechanical characteristics	
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
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
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
Logistics	
GTIN/EAN	3596033028199
Customs number	8535301090
Price unit	PC
Weight of the packing unit	2.55
Length of the packing unit	0.17
Width of the packing unit	0.205
Depth of the packing unit	0.39
Product Details	
Effective date	2017-10-04
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	0.117
Depth of the product unit	0.11
Classification	
UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290