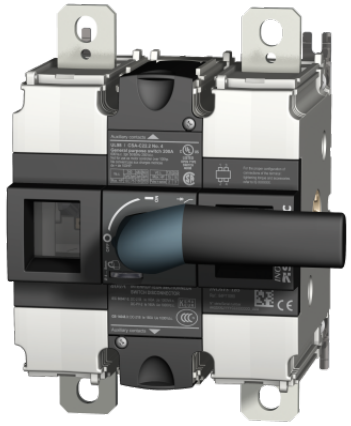
86P11064

Manually Load break switch DC and PV INOSYS 1P1 630A 1500VDC



INOSYS LBS is a range of manual operation load break switches. These switches can be operated manually using the handle to disconnect all or part of the electrical installation.
They make and break under load conditions and provide safe disconnection of any low voltage electrical circuit up to 2000 VDC.
They can also be used for emergency switching applications.
They are the first load break switches on the market cable of supporting 2000 VDC.

Strong points

- High performance power switching in a compact frame
- Safe and reliable operation
- Designed for harsh environments
- Simple installation
- Modular solution for flexible configuration

General characteristics

- Range 160 A to 1600 A.
- Up to 2000 VDC.
- High-performance switching with a compact design.
- Easy integration.
- Enhanced safety with visible breaking.
- High efficiency, with low power loss.

Compliance with standards

- IEC 60947-3
- DC-21B & DC-PV2
- UL98B
- CCC

Link to the reference

https://apac.socomec.com/en/reference/86P11064

Technical Characteristics

Height [mm]	200
Width [mm]	137
Depth [mm]	110
Control operator	Direct : E3 / External : S2L
Number of poles	1+1
Rated voltage	1500
Rated current [A]	630
Type	Frontal or lateral operation
Frame size	F3

ETIM - Electrical characteristics

Rated voltage DC [V]	1500..1500
Rated current [A]	630
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
Width [mm]	137
Height [mm]	200
Depth [mm]	110

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

Environmental impact

Carbon footprint - Lifecycle total [kg CO_2 eq.]	355
Carbon footprint - Manufacturing [A1-A3] [kg CO_2 eq.]	25
Use scenario	20 years / European mix
PEP Filename	SOCO-00067-V01.02-EN.pdf

Norms

Conformity to standards	CCC IEC

Materials and substances

EU REACH	Does not contain SVHC
EU RoHS	Compliant

Commerce

Description	Load break switch for DC and photovoltaic INOSYS with 1+1 poles, 630A, 1500 Voltage DC frontal/lateral direct operation with handle type E3 or frontal/lateral external operation with handle type S2L. Delivered without handle
Effective date	2018-08-01
Offer Life Cycle Code	40
Country of origin	TN

Logistics

GTIN/EAN	3596033028175
Customs number	8535301090
Price unit	PC
Weight of the packing unit [kg]	3.6
Length of the packing unit [m]	0.22
Width of the packing unit [m]	0.38
Depth of the packing unit [m]	0.16

Classification

UNSPSC	39122233
ETIM Class	EC004963
IGCC	5290